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LANDSAT

U.S. STANDARD CATALOG

FEBRUARY 1, 1977

THROUGH

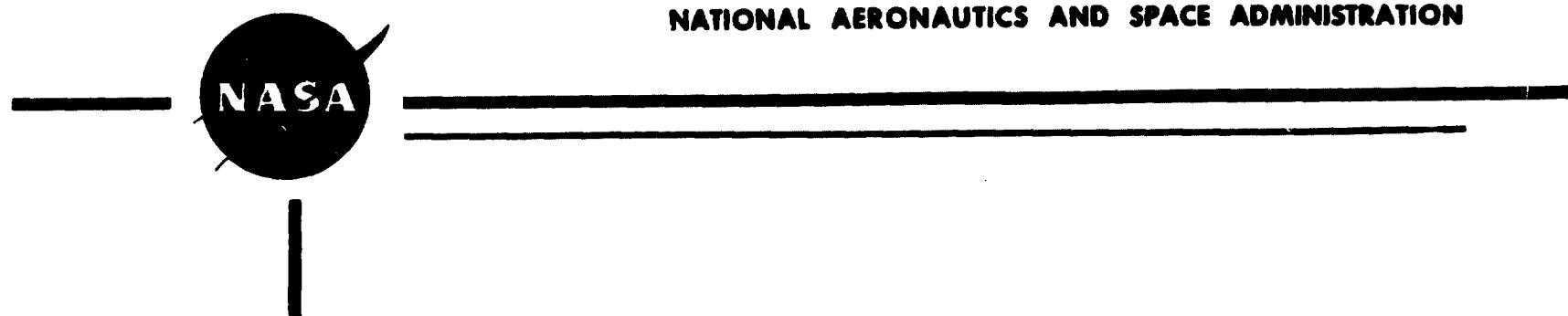
FEBRUARY 28, 1977

GSFC/LU-C/002

GODDARD SPACE FLIGHT CENTER

GREENBELT, MARYLAND

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



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INTRODUCTION

To provide dissemination of information regarding the availability of Landsat imagery, the Image Processing Facility (IPF), located at the Goddard Space Flight Center, publishes a U. S. and Non-U. S. Standard Catalog on a monthly schedule. These catalogs identify imagery which has been processed and input to the data files during the referenced month. The U. S. Standard Catalog includes imagery covering the continental United States, Alaska and Hawaii; the Non-U. S. Catalog identifies all the remaining coverage. Imagery adjacent to the continental U. S. and Alaska borders will normally appear in the U. S. Standard Catalog. As a supplement to these catalogs, the Landsat imagery of one spectral band is available on 16mm microfilm.

In addition to the routine monthly catalogs, the IPF annually publishes a cumulative U. S. and Non-U. S. Standard Catalog for each satellite, covering a year based on the launch date for that satellite. These catalogs include information on all observations acquired and processed by the facility during that year.

Film products for imagery listed in this catalog are available at a nominal price from all three agencies listed below. In addition, the 16mm microfilm can be purchased from the U. S. Department of the Interior (USDI) EROS Data Center and National Oceanic and Atmospheric Administration (NOAA). Digital tapes can be purchased only from the USDI EROS Data Center.

U. S. Department of Agriculture Aerial Photography Field Office
2505 Parley's Way
Salt Lake City, Utah 84109

U. S. Department of Commerce Environment Data Service
National Oceanic and Atmospheric
Administration
Satellite Data Service Branch
D543
World Weather Building
Room 606
Washington, D. C. 20233

U. S. Department of the Interior User Services Unit
Geological Survey
EROS Data Center
Sioux Falls, South Dakota 57198

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APPENDIX

SECTION 1 — STANDARD CATALOG

1.1 MONTHLY CATALOGS

The coverage sections contained in the monthly U.S. and Non-U.S. Standard Catalogs are divided into three parts. Part 1 (see Para. 1.1, A) consists of annotated maps which graphically depict the geographic areas covered by imagery listed in the current catalog. Part 2 (see Para. 1.1, B) contains a computer generated listing organized by observation identification number (ID) and includes pertinent information about each image. Part 3 (see Para. 1.1, C) provides a computer listing of observations organized by longitude/latitude.

- A. Satellite Coverage Maps. These maps are segregated by cycle and depict the general location of observations listed in the catalog. The format and data content of these maps are slightly different in the U.S. and Non-U.S. catalogs.
 - 1. U.S. Satellite Coverage Maps. Two separate map formats are presented in this catalog. One map outlines the continental U.S. and depicts the estimated cloud cover along each north to south subsatellite path. Each path is identified by actual orbit number and a cross reference, which matches the orbit number to the initial observation ID for that path. The second map provides an enlarged view of Alaska and Hawaii and displays the portion of an orbital pass for which coverage is available. This map does not include cloud cover estimates or orbit numbers.
 - 2. Non-U.S. Satellite Coverage Map. A world outline map is provided with the portions of an orbital swath for which observations are available graphically displayed. This map is intended solely to inform the user as to whether or not coverage is included in the catalog for his area of interest. It is not intended as a rapid reference to specific observations.
- B. Observation Identification Number (ID) Listing. The data format for the observation ID listing is identical in the U.S. and Non-U.S. Catalogs. Observation ID numbers are listed in a sequential manner from smallest number to largest. Associated with each ID number in the list is pertinent information about that observation. A sample catalog page with a description of each data item is shown in Figure 1-1.

1. Sample Observation ID Format. See Figure 1-1.

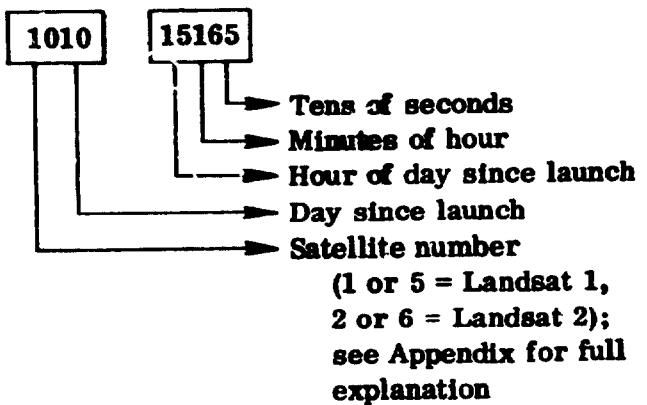
① 20 42 OCT 02 75 ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬												
OBSERVATION ID	MICROFILM ROLL NO./POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SLN ELEV	SUN AZIM	IMAGE QUALITY RBV MSS	MSS DATA MODE	MSS IMAGE GAIN
	RBV	MSS				LAT	LONG			123	45678	
2218-14563	00000/0000	2-10010/0718	08/28/75	70	3038	1435N	07514W	52.1	123.3	FFGG		
2218-14570	00000/0000	2-10010/0719	08/28/75	80	3038	3310N	07540W	52.6	121.4	FFGG		
2218-14572	00000/0000	2-10010/0720	08/28/75	60	3038	3143N	07603W	53.1	119.4	FGGG		
2218-14575	00000/0000	2-10010/0721	08/28/75	70	3038	3017N	07630W	53.6	117.4	FGGG		
2218-14581	00000/0000	2-10010/0722	08/28/75	50	3038	2851N	07654W	54.0	115.3	GG	H	
2218-18190	00000/0000	2-10010/0723	08/28/75	90	3040	4850N	12140W	44.8	140.6	FFFF		
2218-18192	00000/0000	2-10010/0724	08/28/75	90	3040	4723N	12218W	45.6	139.0	FFFF		
2218-18193	00000/0000	2-10010/0725	08/28/75	90	3040	4600N	12253W	46.5	137.4	FFFF		

⑭ KEYS
 CLOUD COVER: 2
 IMAGE QUALITY: 0 TO 100 = % CLOUD COVER
 (BLANK) = BAND NOT AVAILABLE G = GOOD P = POOR F = FAIR
 MSS DATA MODE: (BLANK) = COMPRESSED, L = LINEAR
 MSS IMAGE GAIN: (BLANK) = LOW GAIN, H = HIGH GAIN

Figure 1-1. Observation ID Listing for Standard Catalog

2. Description of Data Items

- ① Date of catalog listing
- ② Period during which imagery was processed
- ③ Observation ID



- ④ RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls
- ⑤ Date of observation
- ⑥ Estimated percent of cloud cover
- ⑦ Orbit number
- ⑧ Latitude and longitude at observation center (degrees and minutes)
- ⑨ Sun elevation and azimuth at observation center
- ⑩ Image quality; see key
- ⑪ MSS Data Mode; blank indicates the spacecraft signal compression mode was used to acquire bands 4, 5 and 6; "L" indicates all bands were acquired in the linear mode. See Landsat Data Users Handbook for further information.
- ⑫ MSS Image Gain; blank indicates all bands were acquired in low gain mode; "H" indicates bands 4 and 5 were acquired by the spacecraft in the high gain mode. See Landsat Data Users Handbook for further information.
- ⑬ Keys

C. Longitude/Latitude Listing. The data format for the longitude/latitude listing is identical in the U.S. and Non-U.S. Catalogs. This listing contains the same observations as the observation ID listing but organizes them by coordinates, using image center location information for each observation. Observations in this listing will be sorted first by longitude and, within longitude, by latitude. The longitude/latitude listing is arranged in the following manner:

**180-0 degrees East; 90-0 degrees North and 0-90 degrees South
followed by**

0-180 degrees West; 90-0 degrees North and 0-90 degrees South

This listing is intended to be used as a tool for locating specific coverage, and once a specific observation has been identified, pertinent information about it can be found by referring to the ID listing.

Figure 1-2 below shows a sample catalog page with a description of each data item.

1. Sample Longitude/Latitude Format. See Figure 1-2.

Figure 1-2. Coordinate Listing for Standard Catalog

2. Description of Data Items

① Date of catalog listing ② Period during which imagery was processed ③ Longitude and latitude at observation center (degrees and minutes) ④ Observation ID (see Fig. 1-1, Para. 1.1, B, 2)	⑤ Estimated percent of cloud cover ⑥ Image quality; see key ⑦ Keys
---	--

1.2 CUMULATIVE STANDARD CATALOGS

Annually, a cumulative catalog is produced which includes information covering all observations and coordinates acquired and processed by the IPPF during that year.

A. Observation ID Listing.

1. Sample Observation ID Format. See Figure 1-1.

2. Description of Data Items. See Paragraph 1.1, B, 2.

B. Coordinate Listing. The coordinate listing format contains the same information found in the observation ID listing, but is sorted by longitude/latitude.

1. Sample Coordinate Listing Format. See Figure 1-3.

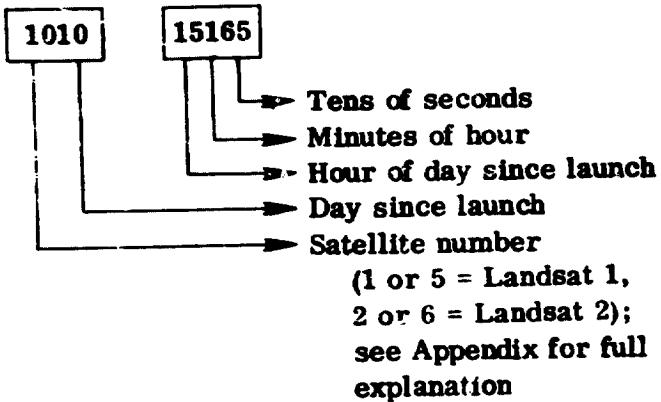
① 0142 SEP 30, '75		② FROM 07/23/74 TO 07/23/75		⑤		⑥		⑦		⑧		⑩		⑪		
③		④		⑤		⑥		⑦		⑧		⑩		⑪		
PRINCIPAL POINT OF IMAGE		OBSERVATION ID		MICROFILM ROLL NO./ POSITION IN ROLL		DATE ACQUIRED		CLOUD COVER %		ORBIT NUMBER		SUN ELEV.		SUN AZIM.		IMAGE QUALITY
LONG	LAT			RBV	MSS											RBV MSS 123 45678
11555W	6128N	1817-18222		00000/0000	20030/1486	10/18/74		100		1393		17.7		162.8		GPPG
11555W	2054N	1843-17334		00000/0000	1-20052/0105	11/13/74		60		1755		35.6		146.0		GPPG
11555W	2051N	1861-17325		00000/0000	1-20052/0579	12/01/74		80		2006		31.7		147.0		PGPG
11556W	7533N	1760-19453		00000/0000	20049/0149	08/22/74		0		599		26.2		180.1		PGGG
11556W	2048N	1879-17321		00000/0000	1-20053/0085	12/19/74		90		2257		29.4		146.0		F PF
11557W	2051N	5059-17233		00000/0000	1-20058/0253	06/17/75		80		4767		58.1		91.6		GGGG
11559W	7644N	1765-20025		00000/0000	1-20047/1484	06/07/74		10		390		29.7		184.0		GGPG
11559W	7528N	1778-19445		00000/0000	1-20049/0949	09/09/74		50		850		19.8		181.2		GPGG

⑬ KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS = BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.
 MSS DATA MODE (BLANK) = COMPRESSED, L = LINEAR.
 MSS IMAGE GAIN (BLANK) = LOW GAIN, H = HIGH GAIN.

Figure 1-3. Coordinate Listing for Cumulative Standard Catalog

2. Description of Data Items

- ① Date of catalog listing
- ② Period during which imagery was processed
- ③ Observation ID



- ④ RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls
- ⑤ Date of observation
- ⑥ Estimated percent of cloud cover
- ⑦ Orbit number
- ⑧ Latitude and longitude at observation center (degrees and minutes)
- ⑨ Sun elevation and azimuth at observation center
- ⑩ Image quality; see key
- ⑪ MSS Data Mode; blank indicates that the spacecraft signal compression mode was used to acquire bands 4, 5 and 6; "L" indicates all bands were acquired in the linear mode. See Landsat Data Users Handbook for further information.
- ⑫ MSS Image Gain; blank indicates all bands were acquired in low gain mode; "H" indicates bands 4 and 5 were acquired by the spacecraft in the high gain mode.
- ⑬ Keys

SECTION 2 - MICROFILM

2.1 GENERAL

The Image Processing Facility produces a 16 mm microfilm inventory of imagery processed during the referenced month and is organized for convenient use with the Standard Catalog.

As in the case of the Standard Catalog, the microfilm data is divided into U. S. and Non-U. S. segments. Each set of microfilm images is in exact correspondence to a Standard Catalog and can be used in conjunction with the catalog for selecting desired images. A maximum of 1900 images will be contained on one roll of 16 mm x 100 ft microfilm. Because the microfilm images are intended to provide only a summary of the data available, the images are limited to one band each for the RBV and MSS. Although a single observation will produce seven images, in the production of microfilm only the RBV Spectral Band 2 images (0.520 - 0.650 microns) and MSS Spectral Band 2 images (0.6 - 0.7 microns) are reproduced. Each image is a photograph of a 70 mm (-2) image and contains the image identifier and annotation block. See Figure 2-1.

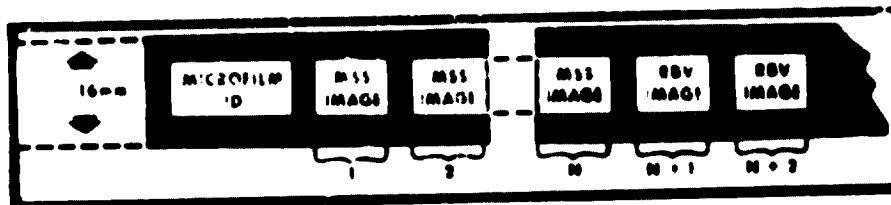


Figure 2-1. Microfilm Format

Microfilm roll numbers contain six digits. The first digit designates the satellite number (blank or 1- = Landsat 1, 2- = Landsat 2). Example: Roll number 10032 and roll number 1-10034 are both Landsat 1 rolls. Roll 1, 2- = Landsat 2 roll. The second digit will be a 1 (for U.S. rolls) or a 2 (for Non-U.S. rolls). The remaining digits are used to number sequentially all microfilm rolls prepared within each group. Example: Roll number 10001 is the first U.S. roll of microfilm produced for Landsat 1. Roll number 20004 is the fourth Non-U.S. roll to be produced for Landsat 1. The first U.S. roll of microfilm for Landsat 2 is number 2-10001.

The microfilm contains two rapid search capabilities to help the user quickly reach the desired scene. They are:

- Code Line Indexing
- Blip Encoding

2.2 CODE LINE INDEXING

The Landsat microfilm images have been annotated with visual code lines to the right of each frame. The visual code lines graduate up the edge of the screen as the film advances and allow the user to advance rapidly to within 20 frames of his desired image. See Figure 2-2.

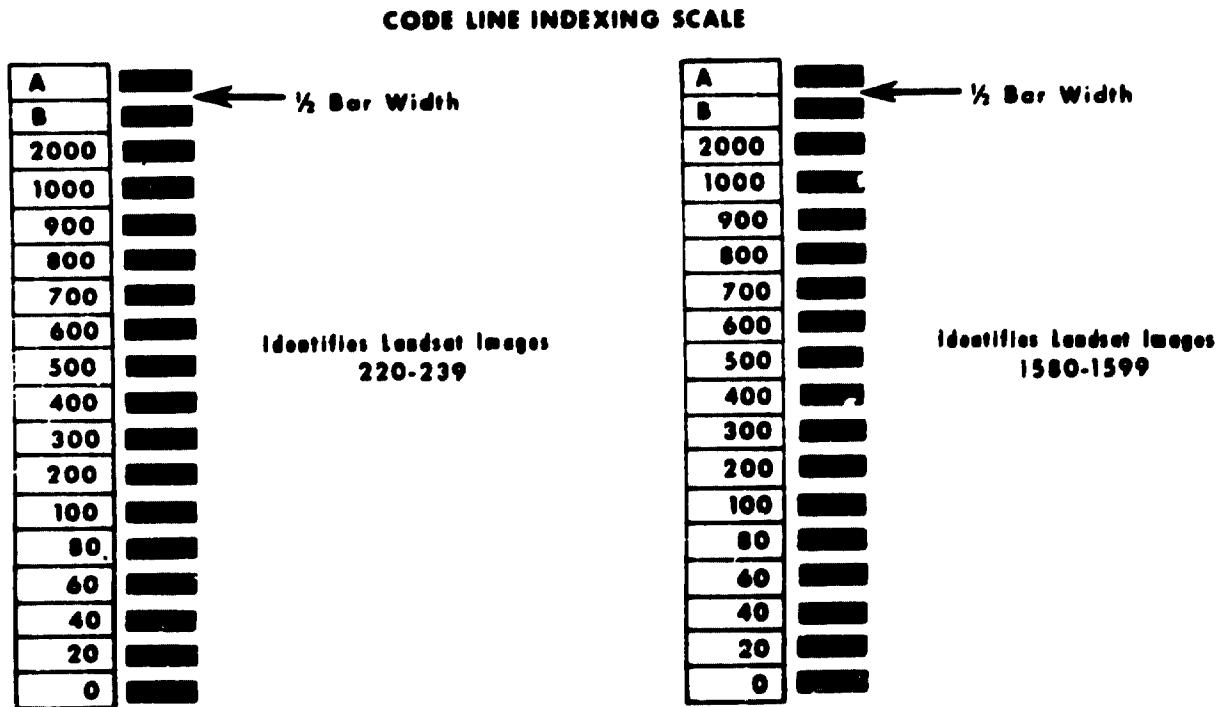


Figure 2-2. Code Line Indexing Scale

To utilize this system, a user must generate a code line indexing bar scale to attach to the face of his viewers. The size and spacing for the bar scale is dependent upon the magnification of his viewer. Landsat imagery is microfilmed at a reduction ratio of 8.5x. To determine the overall length of a scale required for your microfilm reader, multiply 7.4 mm by the enlargement factor of your lens. To determine the bar widths along the bar scale, multiply 0.24 mm by the same factor. A space between each bar should exist that is 1/2 the bar width.

2.3 BLIP ENCODING

The Landsat microfilm images have also been annotated with a blip (black spot) at the base of each frame. This type of encoding is designed for use on readers with an electronic sensing and counting capability or an odometer. To use the blip encoding retrieval system, the film will have to be placed in a cartridge. When the cartridge is placed in a reader which contains an odometer or has a keyboard attached, the identification of the desired image is obtained from the Standard Catalog (column 6, Microfilm Position) and either punched on the keyboard or read via the odometer as the film advances. Using a reader configured for rapid search and retrieval, the film advances and the frames (blips) are counted by means of a photosensing light. When the appropriate number has been counted, the reader stops and the desired image is projected on the screen. Using a reader with an odometer requires the user to monitor the odometer as the film advances and stop the advance of the film in the vicinity of the required frame.

SECTION 3 - CYCLE CHARTS
SECTION 3.1 - LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
First 8 days	1	8	24 Jul 72	31 Jul 72	16	279	296	28 Apr 73	15 May 73
1	9	26	1 Aug 72	18 Aug 72	17	297	314	16 May 73	2 Jun 73
2	27	44	19 Aug 72	5 Sep 72	18	315	332	3 Jun 73	20 Jun 73
3	45	62	6 Sep 72	23 Sep 72	19	333	350	21 Jun 73	8 Jul 73
4	63	80	24 Sep 72	11 Oct 72	20	351	368	9 Jul 73	26 Jul 73
5	81	98	12 Oct 72	29 Oct 72	21	369	386	27 Jul 73	13 Aug 73
6	99	116	30 Oct 72	16 Nov 72	22	387	404	14 Aug 73	31 Aug 73
7	117	134	17 Nov 72	4 Dec 72	23	405	422	1 Sep 73	18 Sep 73
8	135	152	5 Dec 72	22 Dec 72	24	423	440	19 Sep 73	6 Oct 73
9	153	170	23 Dec 72	9 Jan 73	25	441	458	7 Oct 73	24 Oct 73
10	171	188	10 Jan 73	27 Jan 73	26	459	476	25 Oct 73	11 Nov 73
11	189	206	28 Jan 73	14 Feb 73	27	477	494	12 Nov 73	29 Nov 73
12	207	224	15 Feb 73	4 Mar 73	28	495	512	30 Nov 73	17 Dec 73
13	225	242	5 Mar 73	22 Mar 73	29	513	530	18 Dec 73	4 Jan 74
14	243	260	23 Mar 73	9 Apr 73	30	531	548	5 Jan 74	22 Jan 74
15	261	278	10 Apr 73	27 Apr 73	31	549	566	23 Jan 74	9 Feb 74

SECTION 3.1 — LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
32	567	584	10 Feb 74	27 Feb 74	48	855	872	25 Nov 74	12 Dec 74
33	585	602	28 Feb 74	17 Mar 74	49	873	890	13 Dec 74	30 Dec 74
34	603	620	16 Mar 74	4 Apr 74	50	891	908	31 Dec 74	17 Jan 75
35	621	638	5 Apr 74	22 Apr 74	51	909	926	18 Jan 75	4 Feb 75
36	639	656	23 Apr 74	11 May 74	52	927	944	5 Feb 75	22 Feb 75
37	657	674	12 May 74	28 May 74	53	945	962	23 Feb 75	12 Mar 75
38	675	692	29 May 74	15 Jun 74	54	963	980	13 Mar 75	30 Mar 75
39	693	710	16 Jun 74	3 Jul 74	55	981	998	31 Mar 75	17 Apr 75
40	711	728	4 Jul 74	21 Jul 74	56	999	1016	18 Apr 75	5 May 75
41	729	746	22 Jul 74	9 Aug 74	57	1017	1034	6 May 75	23 May 75
42	747	764	9 Aug 74	26 Aug 74	58	1035	1052	24 May 75	10 Jun 75
43	765	782	27 Aug 74	13 Sep 74	59	1053	1070	11 Jun 75	28 Jun 75
44	783	800	14 Sep 74	1 Oct 74	60	1071	1088	29 Jun 75	16 Jul 75
45	801	818	2 Oct 74	19 Oct 74	61	1099	1106	17 Jul 75	3 Aug 75
46	819	836	20 Oct 74	6 Nov 74	62	1107	1124	4 Aug 75	21 Aug 75
47	837	854	7 Nov 74	24 Nov 74	63	1125	1142	22 Aug 75	9 Sep 75

SECTION 3.1 — LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
64	1143	1160	9 Sep 75	26 Sep 75	80	1431	1448	23 Jun 76	10 Jul 76
65	1161	1178	27 Sep 75	14 Oct 75	81	1449	1466	11 Jul 76	28 Jul 76
66	1179	1196	15 Oct 75	1 Nov 75	82	1467	1484	29 Jul 76	15 Aug 76
67	1197	1214	2 Nov 75	19 Nov 75	83	1485	1502	16 Aug 76	2 Sep 76
68	1215	1232	20 Nov 75	7 Dec 75	84	1503	1520	3 Sep 76	20 Sep 76
69	1233	1250	8 Dec 75	25 Dec 75	85	1521	1538	21 Sep 76	8 Oct 76
70	1251	1268	26 Dec 75	12 Jan 76	86	1539	1556	9 Oct 76	26 Oct 76
71	1269	1286	13 Jan 76	30 Jan 76	87	1557	1574	27 Oct 76	13 Nov 76
72	1287	1304	31 Jan 76	17 Feb 76	88	1575	1592	14 Nov 76	1 Dec 76
73	1305	1322	18 Feb 76	6 Mar 76	89	1593	1610	2 Dec 76	19 Dec 76
74	1323	1340	7 Mar 76	24 Mar 76	90	1611	1628	20 Dec 76	6 Jan 77
75	1341	1358	25 Mar 76	11 Apr 76	91	1629	1646	7 Jan 77	24 Jan 77
76	1359	1376	12 Apr 76	29 Apr 76	92	1647	1664	25 Jan 77	11 Feb 77
77	1377	1394	30 Apr 76	17 May 76	93	1665	1682	12 Feb 77	1 Mar 77
78	1395	1412	18 May 76	4 Jun 76	94	1683	1700	2 Mar 77	19 Mar 77
79	1413	1430	5 Jun 76	22 Jun 76	95	1701	1718	20 Mar 77	6 Apr 77

SECTION 3.2 — LANDSAT 2 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
First 22 days	1	22	22 Jan 75	13 Feb 75	13	347	364	4 Jan 76	21 Jan 76
1	23	40	14 Feb 75	3 Mar 75	20	365	382	22 Jan 76	8 Feb 76
2	41	58	4 Mar 75	21 Mar 75	21	383	400	9 Feb 76	26 Feb 76
3	59	76	22 Mar 75	8 Apr 75	22	401	418	27 Feb 76	15 Mar 76
4	77	94	9 Apr 75	26 Apr 75	23	419	436	16 Mar 76	2 Apr 76
5	95	112	27 Apr 75	14 May 75	24	437	454	3 Apr 76	20 Apr 76
6	113	130	15 May 75	1 Jun 75	25	455	472	21 Apr 76	8 May 76
7	131	148	2 Jun 75	19 Jun 75	26	473	490	9 May 76	26 May 76
8	149	188	20 Jun 75	7 Jul 75	27	491	508	27 May 76	13 Jun 76
9	167	184	8 Jul 75	25 Jul 75	28	509	526	14 Jun 76	1 Jul 76
10	185	202	26 Jul 75	12 Aug 75	29	527	544	2 Jul 76	19 Jul 76
11	203	220	13 Aug 75	30 Aug 75	30	545	562	20 Jul 76	6 Aug 76
12	221	238	31 Aug 75	17 Sep 75	31	563	580	7 Aug 76	24 Aug 76
13	239	256	18 Sep 75	5 Oct 75	32	581	598	25 Aug 76	11 Sep 76
14	257	274	6 Oct 75	23 Oct 75	33	599	616	12 Sep 76	29 Sep 76
15	275	292	24 Oct 75	10 Nov 75	34	617	634	30 Sep 76	17 Oct 76
16	293	310	11 Nov 75	28 Nov 75	35	635	652	18 Oct 76	4 Nov 76
17	311	328	29 Nov 75	16 Dec 75	36	653	670	5 Nov 76	22 Nov 76
18	329	346	17 Dec 75	3 Jan 76	37	671	688	23 Nov 76	10 Dec 76

0013

SECTION 4

LANDSAT 1 COVERAGE

0015

No Landsat 1 imagery was acquired during the months of December and January.

0017

LANDSAT 1
OBSERVATION ID LISTING

20:54 APR 04, 177

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

PAGE 0018

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
							RBV	MSS				
5654-15173	00000/0000 1-10055/0132	02/01/77	0	3063 3852N	09249W	19.1	132.5	GGGG		27	33	
5654-15180	00000/0000 1-10055/0133	02/01/77	0	3063 3726N	09316W	19.8	131.9	GGGG		27	34	
5654-15182	00000/0000 1-10055/0134	02/01/77	10	3063 3600N	09344W	20.6	131.2	GGGG		27	35	
5654-15185	00000/0000 1-10055/0135	02/01/77	0	3063 3434N	09410W	21.3	130.5	FGGG		27	36	
5654-15191	00000/0000 1-10055/0136	02/01/77	10	3063 3308N	09436W	22.0	129.8	GGGG		27	37	
5654-17002	00000/0000 1-10055/0126	02/01/77	30	3064 4020N	11808W	18.3	133.2	GGGG		45	32	
5654-17005	00000/0000 1-10055/0127	02/01/77	30	3064 3854N	11836W	19.1	132.5	GGGG		45	33	
5654-17011	00000/0000 1-10055/0128	02/01/77	40	3064 3728N	11904W	19.8	131.9	GGGG		45	34	
5654-17014	00000/0000 1-10055/0129	02/01/77	70	3064 3602N	11932W	20.6	131.2	GGGG		45	35	
5654-17020	00000/0000 1-10055/0130	02/01/77	80	3064 3436N	11958W	21.3	130.5	GGGG		45	36	
5654-17023	00000/0000 1-10055/0131	02/01/77	90	3064 3310N	12024W	22.0	129.8	GGGG		45	37	
5655-17042	00000/0000 1-10055/0137	02/02/77	70	3078 4600N	11729W	15.4	135.6	FGGG		46	28	
5655-17045	00000/0000 1-10055/0138	02/02/77	20	3078 4434N	11803W	16.2	135.0	GGGG		46	29	
5655-17051	00000/0000 1-10055/0139	02/02/77	20	3078 4309N	11835W	17.0	134.3	GGGG		46	30	
5655-17054	00000/0000 1-10055/0140	02/02/77	10	3078 4144N	11906W	17.8	133.6	GGGG		46	31	
5655-17060	00000/0000 1-10055/0141	02/02/77	0	3078 4019N	11936W	18.5	133.0	GGGG		46	32	
5655-17063	00000/0000 1-10055/0142	02/02/77	10	3078 3855N	12005W	19.3	132.3	FGGG		46	33	
5655-17065	00000/0000 1-10055/0143	02/02/77	60	3078 3729N	12033W	20.0	131.6	GGGG		46	34	
5655-17072	00000/0000 1-10055/0144	02/02/77	50	3078 3603N	12100W	20.7	130.9	GGGG		46	35	
5655-17074	00000/0000 1-10055/0145	02/02/77	50	3078 3437N	12127W	21.5	130.3	GGGG		46	36	
5655-17081	00000/0000 1-10055/0146	02/02/77	70	3078 3311N	12152W	22.2	129.6	GGGG		46	37	
5656-13430	00000/0000 1-10055/0158	02/03/77	40	3090 4726N	06642W	14.8	136.1	GGGG		11	27	
5656-13433	00000/0000 1-10055/0159	02/03/77	40	3090 4600N	06717W	15.6	135.4	GGGG		11	28	
5656-13435	00000/0000 1-10055/0160	02/03/77	40	3090 4435N	06751W	16.4	134.8	GGGF		11	29	
5656-13442	00000/0000 1-10055/0161	02/03/77	50	3090 4305N	06824W	17.2	134.1	GGGG		11	30	
5656-13444	00000/0000 1-10055/0162	02/03/77	70	3090 4143N	06856W	18.0	133.4	GGGG		11	31	
5656-13451	00000/0000 1-10055/0163	02/03/77	70	3090 4017N	06926W	18.7	132.8	GGGG		11	32	
5656-17091	00000/0000 1-10055/0147	02/03/77	60	3092 4852N	11741W	14.1	136.8	GGGG		47	26	
5656-17093	00000/0000 1-10055/0148	02/03/77	90	3092 4727N	11818W	14.9	136.1	GGGG		47	27	
5656-17100	00000/0000 1-10055/0149	02/03/77	80	3092 4601N	11853W	15.7	135.4	GGGG		47	28	
5656-17102	00000/0000 1-10055/0150	02/03/77	30	3092 4435N	11927W	16.4	134.7	GGGG		47	29	
5656-17105	00000/0000 1-10055/0151	02/03/77	2	3092 4309N	11959W	17.2	134.1	GGGG		47	30	
5656-17111	00000/0000 1-10055/0152	02/03/77	0	3092 4144N	12031W	18.0	133.4	GGGG		47	31	
5656-17114	00000/0000 1-10055/0153	02/03/77	10	3092 4019N	12101W	18.7	132.7	GGGG		47	32	
5656-17120	00000/0000 1-10055/0154	02/03/77	30	3092 3853N	12130W	19.5	132.1	FGGG		47	33	
5656-17123	00000/0000 1-10055/0155	02/03/77	40	3092 3728N	12158W	20.2	131.4	GGGG		47	34	

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 02/11/77 TO 02/28/77

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL			MSS IMAGE	MSS PATH	ORBIT NUMBER	FRAME ROW NUMBER
							RBV	MSS	1 AT				
5656-17125	00000/0000 1-10055/0156	02/03/77	20	3092 3604N	12225W	20.9	130.7	GGGF		47	35		
5656-17132	00000/0000 1-10055/0157	02/03/77	40	3092 3438N	12252W	21.7	130.0	GGGG		47	36		
5657-15313	00000/0000 1-10055/0001	02/04/77	10	3105 4848N	09323W	14.3	136.6	GGGG		30	26		
5657-15320	00000/0000 1-10055/0002	02/04/77	30	3105 4723N	09400W	15.1	135.9	GGGG		30	27		
5657-15322	00000/0000 1-10055/0003	02/04/77	10	3105 4559N	09434W	15.9	135.2	GGGG		30	28		
5657-15325	00000/0000 1-10055/0004	02/04/77	70	3105 4434N	09507W	16.7	134.5	GGGG		30	29		
5657-15331	00000/0000 1-10055/0005	02/04/77	80	3105 4309N	09540W	17.4	133.9	GGGG		30	30		
5657-15334	00000/0000 1-10055/0006	02/04/77	90	3105 4143N	09611W	18.2	133.2	GGGG		30	31		
5657-15340	00000/0000 1-10055/0007	02/04/77	70	3105 4017N	09640W	19.0	132.5	GGGG		30	32		
5657-15343	00000/0000 1-10055/0008	02/04/77	30	3105 3851N	09709W	19.7	131.8	FGFG		30	33		
5657-15345	00000/0000 1-10055/0009	02/04/77	0	3105 3726N	09737W	20.4	131.1	GGGG		30	34		
5657-15352	00000/0000 1-10055/0010	02/04/77	0	3105 3600N	09804W	21.2	130.5	GGGG		30	35		
5657-15354	00000/0000 1-10055/0011	02/04/77	10	3105 3434N	09830W	21.9	129.8	GFGG		30	36		
5657-15361	00000/0000 1-10055/0012	02/04/77	10	3105 3308N	09856W	22.6	129.1	GGGG		30	37		
5657-15363	00000/0000 1-10055/0013	02/04/77	10	3105 3142N	09921W	23.3	128.4	GFPG		30	38		
5657-15370	00000/0000 1-10055/0014	02/04/77	10	3105 3016N	09945W	23.9	127.6	GGGG		30	39		
5657-15372	00000/0000 1-10055/0015	02/04/77	0	3105 2850N	10009W	24.6	126.9	FGGG		30	40		
5657-15375	00000/0000 1-10055/0016	02/04/77	10	3105 2724N	10033W	25.2	126.2	GGGG		30	41		
5657-15381	00000/0000 1-10055/0017	02/04/77	10	3105 2558N	10056W	25.9	125.4	GGGG		30	42		
5657-17145	00000/0000 1-10055/0170	02/04/77	70	3146 4852N	11907W	14.3	136.6	GFGG		48	26		
5657-17151	00000/0000 1-10055/0171	02/04/77	90	3146 4727N	11944W	15.1	135.9	GFGG		48	27		
5657-17154	00000/0000 1-10055/0172	02/04/77	70	3146 4601N	12019W	15.9	135.2	FFGG		48	28		
5657-17160	00000/0000 1-10055/0173	02/04/77	20	3146 4436N	12053W	16.7	134.5	GFGG		48	29		
5657-17163	00000/0000 1-10055/0174	02/04/77	10	3146 4311N	12126W	17.4	133.9	GGGG		48	30		
5657-17165	00000/0000 1-10055/0175	02/04/77	0	3146 4145N	12157W	18.2	133.2	FGGG		48	31		
5657-17172	00000/0000 1-10055/0176	02/04/77	10	3146 4020N	12227W	18.9	132.5	GFGG		48	32		
5657-17174	00000/0000 1-10055/0177	02/04/77	20	3146 3855N	12256W	19.7	131.8	FGG		46	33		
5657-17181	00000/0000 1-10055/0178	02/04/77	60	3146 3729N	12325W	20.4	131.2	FFGG		48	34		
5657-17183	00000/0000 1-10055/0179	02/04/77	80	3146 3603N	12352W	21.1	130.5	GFFF		48	35		
5658-15371	00000/0000 1-10055/0018	02/05/77	10	3119 4848N	09450W	14.6	136.4	GGG		31	26		
5658-15374	00000/0000 1-10055/0019	02/05/77	10	3119 4723N	09526W	15.4	135.7	GGGG		31	27		
5658-15380	00000/0000 1-10055/0020	02/05/77	10	3119 4558N	09601W	16.1	135.0	GGGG		31	28		
5658-15383	00000/0000 1-10055/0021	02/05/77	10	3119 4433N	09634W	16.9	134.3	GGGG		31	29		
5658-15385	00000/0000 1-10055/0022	02/05/77	40	3119 4308N	09706W	17.7	133.6	GGGG		31	30		
5658-15392	00000/0000 1-10055/0023	02/05/77	10	3119 4143N	09737W	18.4	133.0	GGGG		31	31		
5658-15394	00000/0000 1-10055/0024	02/05/77	10	3119 4017N	09807W	19.2	132.3	GGG		31	32		

KEYS: CLOUD COVER % 0 TO 100 = % CLD JD COVER.
 IMAGE QUALITY BLANKS, BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL				MSS IMAGE	MSS GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
								RBV	MSS	1	AT				
5658-15401	00000/0000 1-10055/0025	02/05/77	0	3119	3851N	09835W	19.9	131.6	GGGF				31	33	
5658-15403	00000/0000 1-10055/0026	02/05/77	0	3119	3726N	09903W	20.6	130.9	GGGG				31	34	
5658-15410	00000/0000 1-10055/0027	02/05/77	0	3119	3600N	09930W	21.4	130.2	GGGG				31	35	
5658-15412	00000/0000 1-10055/0028	02/05/77	0	3119	3434N	09956W	22.1	129.5	GGGG				31	36	
5658-15415	00000/0000 1-10055/0029	02/05/77	0	3119	3308N	10022W	22.8	128.8	GGGG				31	37	
5658-15421	00000/0000 1-10055/0030	02/05/77	0	3119	3142N	10047W	23.4	128.1	GGGG				31	38	
5658-15424	00000/0000 1-10055/0031	02/05/77	0	3119	3016N	10111W	24.1	127.4	GGGG				31	39	
5658-15430	00000/0000 1-10055/0032	02/05/77	0	3119	2850N	10135W	24.8	126.6	GGGG				31	40	
5658-15433	00000/0000 1-10055/0033	02/05/77	0	3119	2724N	10158W	25.4	125.9	GGGG				31	41	
5659-15452	00000/0000 1-10055/0195	02/06/77	80	3133	4016N	09932W	19.4	132.1	GGGG				32	32	
5659-15455	00000/0000 1-10055/0196	02/06/77	50	3133	3851N	10001W	20.1	131.4	GGGG				32	33	
5659-15461	00000/0000 1-10055/0197	02/06/77	30	3133	3726N	10029W	20.9	130.7	GGGG				32	34	
5659-15464	00000/0000 1-10055/0198	02/06/77	20	3133	3600N	10056W	21.6	130.0	GFGG				32	35	
5659-15470	00000/0000 1-10055/0199	02/06/77	10	3133	3434N	10123W	22.3	129.3	GGGG				32	36	
5659-15473	00000/0000 1-10055/0200	02/06/77	10	3133	3307N	10148W	23.0	128.5	GGGF				32	37	
5659-15475	00000/0000 1-10055/0201	02/06/77	0	3133	3141N	10213W	23.6	127.8	GGGG				32	38	
5659-15482	00000/0000 1-10055/0202	02/06/77	0	3133	3016N	10238W	24.3	127.1	GGGG				32	39	
5659-15484	00000/0000 1-10055/0203	02/06/77	10	3133	2850N	10302W	25.0	126.3	GGGG				32	40	
5659-15491	00000/0000 1-10055/0204	02/06/77	0	3133	2725N	10325W	25.6	125.6	GGGG				32	41	
5660-14072	00000/0000 1-10055/0205	02/07/77	20	3146	4142N	07437W	18.9	132.5	GGGG				15	31	
5660-14074	00000/0000 1-10055/0206	02/07/77	10	3146	4018N	07506W	19.6	131.9	GGGG				15	32	
5660-14081	00000/0000 1-10055/0207	02/07/77	0	3146	3853N	07535W	20.3	131.2	GGGG				15	33	
5660-14083	00000/0000 1-10055/0208	02/07/77	10	3146	3726N	07603W	21.1	130.5	GGGG				15	34	
5660-14090	00000/0000 1-10055/0209	02/07/77	10	3146	3600N	07631W	21.8	129.7	GGGG				15	35	
5660-14092	00000/0000 1-10055/0210	02/07/77	10	3146	3433N	07658W	22.5	129.0	GGGG				15	36	
5660-14055	00000/0000 1-10055/0211	02/07/77	10	3146	3307N	07724W	23.1	128.3	GGGF				15	37	
5660-14101	00000/0000 1-10055/0212	02/07/77	10	3146	3141N	07749W	23.8	127.6	GGGG				15	38	
5660-14104	00000/0000 1-10055/0213	02/07/77	50	3146	3015N	07814W	24.5	126.8	GGGG				15	39	
5660-14110	00000/0000 1-10055/0214	02/07/77	40	3146	2850N	07838W	25.1	126.1	GGGG				15	40	
5660-14113	00000/0000 1-10055/0215	02/07/77	20	3146	2724N	07902W	25.8	125.3	GGGG				15	41	
5660-14115	00000/0000 1-10055/0216	02/07/77	30	3146	2559N	07926W	26.4	124.6	GFGG				15	42	
5660-15483	00000/0000 1-10055/0034	02/07/77	60	3147	4848N	09742W	15.1	136.0	GGGG				33	26	
5660-15490	00000/0000 1-10055/0035	02/07/77	40	3147	4723N	09818W	15.9	135.3	GGGG				33	27	
5660-15492	00000/0000 1-10055/0036	02/07/77	10	3147	4558N	09853W	16.6	134.6	GGGG				33	28	
5660-15493	00000/0000 1-10055/0037	02/07/77	0	3147	4433N	09925W	17.4	133.9	GGGG				33	29	
5660-15501	00000/0000 1-10055/0038	02/07/77	0	3147	4308N	09957W	18.2	133.2	GGGG				33	30	

KEYS: CLOUD COVER x 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=Band NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD ORBIT COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE QUALITY		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
							RBV	MSS				
5660-15504	00000/0000 1-10055/0039	02/07/77	0	3147 4142N	10027W	18.9	132.5	GGGG	123	33	31	
5660-15510	00000/0000 1-10055/0040	02/07/77	20	3147 4017N	10056W	19.6	131.8	GGGG	45678	33	32	
5660-15513	00000/0000 1-10055/0041	02/07/77	30	3147 3851N	10125W	20.4	131.1	GGGG		33	33	
5660-15515	00000/0000 1-10055/0042	02/07/77	10	3147 3726N	10152W	21.1	130.4	GGGG		33	34	
5660-15522	00000/0000 1-10055/0043	02/07/77	30	3147 3600N	10219W	21.8	129.7	GGGG		33	35	
5660-15524	00000/0000 1-10055/0044	02/07/77	40	3147 3435N	10245W	22.5	129.0	GGGG		33	36	
5660-15531	00000/0000 1-10055/0045	02/07/77	80	3147 3309N	10311W	23.2	128.3	GGGG		33	37	
5660-15533	00000/0000 1-10055/0046	02/07/77	70	3147 3143N	10336W	23.8	127.6	GGGG		33	38	
5660-15540	00000/0000 1-10055/0047	02/07/77	90	3147 3016N	10401W	24.5	126.9	GGGG		33	39	
5660-15542	00000/0000 1-10055/0048	02/07/77	40	3147 2849N	10425W	25.1	126.1	GGGG		33	40	
5660-15545	00000/0000 1-10055/0049	02/07/77	10	3147 2723N	10449W	25.8	125.3	GGFG		33	41	
5661-15541	00000/0000 1-10055/0181	02/08/77	30	3161 4849N	09906W	15.4	135.8	GGGG		34	26	
5661-15543	00000/0000 1-10055/0182	02/08/77	10	3161 4724N	09942W	16.1	135.1	GGGG		34	27	
5661-15550	00000/0000 1-10055/0183	02/08/77	10	3161 4559N	10017W	16.9	134.4	GGGG		34	28	
5661-15552	00000/0000 1-10055/0184	02/08/77	0	3161 4433N	10051W	17.7	133.7	GGGG		34	29	
5661-15555	00000/0000 1-10055/0185	02/08/77	0	3161 4308N	10123W	18.4	133.0	GGGG		34	30	
5661-15561	00000/0000 1-10055/0186	02/08/77	0	3161 4143N	10154W	19.1	132.3	GGGG		34	31	
5661-15564	00000/0000 1-10055/0187	02/08/77	0	3161 4017N	10224W	19.9	131.6	FGGG		34	32	
5661-15570	00000/0000 1-10055/0188	02/08/77	0	3161 3951N	10252W	20.6	130.9	GGGG		34	33	
5661-15573	00000/0000 1-10055/0189	02/08/77	0	3161 3725N	10320W	21.3	130.2	FGGG		34	34	
5661-15575	00000/0000 1-10055/0190	02/08/77	0	3161 3559N	10348W	22.0	129.5	FGGG		34	35	
5661-15582	00000/0000 1-10055/0191	02/08/77	30	3161 3433N	10414W	22.7	128.7	GGGG		34	36	
5661-15584	00000/0000 1-10055/0180	02/08/77	40	3161 3307N	10440W	23.4	128.0	G G3		34	37	
5661-15591	00000/0000 1-10055/0192	02/08/77	20	3161 3141N	10506W	24.0	127.3	GGGG		34	38	
5661-15593	00000/0000 1-10055/0193	02/08/77	10	3161 3015N	10530W	24.7	126.5	FGGG		34	39	
5661-16000	00000/0000 1-10055/0194	02/08/77	80	3161 2849N	10555W	25.3	125.8	GGGG		34	40	
5662-14190	00000/0000 1-10055/0217	02/09/77	80	3174 4017N	07802W	20.1	13	GGG		17	32	
5662-14193	00000/0000 1-10055/0218	02/09/77	30	3174 3851N	07831W	20.8	13	FGGG		17	33	
5662-14195	00000/0000 1-10055/0219	02/09/77	10	3174 3725N	07859W	21.5	130.0	GGGG		17	34	
5662-14202	00000/0000 1-10055/0220	02/09/77	0	3174 3600N	07925W	22.2	129.2	FGGG		17	35	
5662-14204	00000/0000 1-10055/0221	02/09/77	0	3174 3435N	07951W	22.9	126.5	GGGG		17	36	
5662-14211	00000/0000 1-10055/0222	02/09/77	10	3174 3309N	08016W	23.6	127.8	GGGG		17	37	
5662-14213	00000/0000 1-10055/0223	02/09/77	60	3174 3143N	08041W	24.2	127.0	GGGG		17	38	
5662-14220	00000/0000 1-10055/0224	02/09/77	80	3174 3016N	08106W	24.9	126.3	GGGG		17	39	
5662-14222	00000/0000 1-10055/0225	02/09/77	60	3174 2849N	08131W	25.5	125.5	GGGG		17	40	
5662-15595	00000/0000 1-10055/0064	02/09/77	10	3175 4846N	10033W	15.6	135.7	FFFF		35	26	

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER
 IMAGE QUALITY BLANKS, BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR CONTIGUOUS US
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PAGE 0022

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
							123	45678				
5662-16001	00000/0000 1-10055/0065	02/09/77	0	3175 4722N	10110W	16.4	134.9		GGGG		35	27
5662-16004	00000/0000 1-10055/0066	02/09/77	0	3175 4557N	10144W	17.2	134.2		GGGG		35	28
5662-16010	00000/0000 1-10055/0067	02/09/77	0	3175 4432N	10217W	17.9	133.9		GGGG		35	29
5662-16013	00000/0000 1-10055/0068	02/09/77	0	3175 4307N	10249W	18.7	132.8		GGGG		35	30
5662-16015	00000/0000 1-10055/0069	02/09/77	10	3175 4141N	10320W	19.4	132.1		GGGG		35	31
5662-16022	00000/0000 1-10055/0070	02/09/77	10	3175 4016N	10350W	20.1	131.4		GGGG		35	32
5662-16024	00000/0303 1-10055/0071	02/09/77	0	3175 3851N	10419W	20.8	130.7		GGGG		35	33
5662-16031	00000/0000 1-10055/0072	02/09/77	0	3175 3785N	10447W	21.5	129.9		GGGG		35	34
5662-16033	00000/0000 1-10055/0073	02/09/77	0	3175 3602N	10515W	22.2	129.2		GGGG		35	35
5662-16040	00000/0000 1-10055/0074	02/09/77	0	3175 3434N	10541W	22.9	128.5		GGGG		35	36
5662-16042	00000/0000 1-10055/0075	02/09/77	0	3175 3308N	10605W	23.6	127.8		GGGG		35	37
5662-16045	00000/0000 1-10055/0076	02/09/77	10	3175 3142N	10630W	24.3	127.0		GGGG		35	38
5662-16051	00000/0003 1-10055/0077	02/09/77	10	3175 3016N	10654W	24.9	126.3		GGGG		35	39
5663-14260	00000/0000 1-10055/0099	02/10/77	0	3188 3558N	08051W	22.5	129.0		GGGG		18	35
5663-14262	00000/0000 1-10055/0100	02/10/77	0	3188 3432N	08118W	23.1	128.3		GGGG		18	36
5663-14265	00000/0000 1-10055/0101	02/10/77	0	3188 3307N	08143W	23.8	127.5		GGGG		18	37
5663-14271	00000/0000 1-10055/0102	02/10/77	0	3188 3141N	08207W	24.5	126.8		GGGG		18	38
5663-14274	00000/0000 1-10055/0103	02/10/77	0	3188 3016N	08231W	25.1	126.0		GGGG		18	39
5663-14280	00000/0000 1-10055/0104	02/10/77	10	3188 2851N	08255W	25.7	125.2		GGGG		18	40
5663-16053	00000/0000 1-10055/0090	02/10/77	10	3189 4848N	10157W	15.9	135.5		GGGG		36	26
5663-16055	00000/0000 1-10055/0091	02/10/77	10	3189 4723N	10234W	16.6	134.8		GGGG		36	27
5663-16062	00000/0000 1-10055/0092	02/10/77	10	3189 4559N	10308W	17.4	134.0		GGGG		36	28
5663-16064	00000/0000 1-10055/0093	02/10/77	0	3189 4434N	10342W	18.2	133.3		GGGG		36	29
5663-16071	00000/0000 1-10055/0094	02/10/77	0	3189 4310N	10414W	18.9	132.6		GGGG		36	30
5663-16073	00000/0000 1-10055/0095	02/10/77	0	3189 4144N	10444W	19.6	131.9		GGGG		36	31
5663-16080	00000/0000 1-10055/0096	02/10/77	0	3189 4019N	10515W	20.3	131.2		GGGG		36	32
5663-16082	00000/0000 1-10055/0097	02/10/77	0	3189 3853N	10544W	21.1	130.4		GGGG		36	33
5663-16085	00000/0000 1-10055/0098	02/10/77	30	3189 3728N	10612W	21.8	129.7		GGGG		36	34
5664-14295	00000/0000 1-10055/0105	02/11/77	20	3202 4144N	08024W	19.9	131.7		GGGF		19	31
5664-14302	00000/0000 1-10055/0106	02/11/77	10	3202 4019N	08053W	20.6	131.0		GGGG		19	32
5664-14304	00000/0000 1-10055/0107	02/11/77	0	3202 3844N	08121W	21.3	130.2		GGGG		19	33
5664-14311	00000/0000 1-10055/0108	02/11/77	10	3202 3729N	08148W	22.0	129.5		GGGG		19	34
5664-14313	00000/0000 1-10055/0109	02/11/77	10	3202 3603N	08215W	22.7	128.8		GGGG		19	35
5664-14320	00000/0000 1-10055/0110	02/11/77	50	3202 3437N	08242W	23.3	128.0		GGGG		19	36
5664-14322	00000/0000 1-10055/0111	02/11/77	20	3202 3311N	08308W	24.0	127.3		GGGG		19	37
5664-14325	00000/0000 1-10055/0112	02/11/77	10	3202 3144N	08334W	24.7	126.5		GGGG		19	38

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 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

PAGE 0023

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE=QUAL MSS			MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
							RBV	MSS	1 AT			
5664-14331	00000/0000 1-10055/0113	02/11/77	0	3202 3018N	08359W	25.3	125.7	GFG		19	39	
5664-16120	00000/0000 1-10055/0078	02/11/77	20	3203 4559N	10438W	17.7	133.8	GGG		37	28	
5664-16122	00000/0000 1-10055/0079	02/11/77	50	3203 4438N	10511W	18.4	133.1	GGG		37	29	
5664-16125	00000/0000 1-10055/0080	02/11/77	40	3203 4310N	10543W	19.2	132.4	GGG		37	30	
5664-16131	00000/0000 1-10055/0081	02/11/77	40	3203 4145N	10613W	19.9	131.7	GGG		37	31	
5664-16134	00000/0000 1-10055/0082	02/11/77	70	3203 4019N	10643W	20.6	130.9	GGG		37	32	
5664-16140	00000/0000 1-10055/0083	02/11/77	40	3203 3853N	10712W	21.3	130.2	GGG		37	33	
5664-16143	00000/0000 1-10055/0084	02/11/77	40	3203 3727N	10740W	22.0	129.5	GGG		37	34	
5664-16145	00000/0000 1-10055/0085	02/11/77	30	3203 3601N	10807W	22.7	128.7	GGG		37	35	
5664-16152	00000/0000 1-10055/0086	02/11/77	20	3203 3435N	10833W	23.4	128.0	GGG		37	36	
5664-16154	00000/0000 1-10055/0087	02/11/77	10	3203 3309N	10858W	24.0	127.2	GGG		37	37	
5664-16161	00000/0000 1-10055/0088	02/11/77	0	3203 3143N	10923W	24.7	126.5	GGF		37	38	
5664-16163	00000/0000 1-10055/0089	02/11/77	0	3203 3017N	10948W	25.3	125.7	GGF		37	39	
5665-16164	00000/0000 1-10055/0050	02/12/77	10	3217 4850N	10454W	16.5	135.1	GGG		38	26	
5665-16171	00000/0000 1-10055/0051	02/12/77	50	3217 4725N	10531W	17.2	134.4	GGG		38	27	
5665-16173	00000/0000 1-10055/0052	02/12/77	50	3217 4600N	10605W	18.0	133.6	GGG		38	28	
5665-16180	00000/0000 1-10055/0053	02/12/77	50	3217 4435N	10638W	18.7	132.9	GGG		38	29	
5665-16182	00000/0000 1-10055/0054	02/12/77	40	3217 4309N	10710W	19.4	132.2	GGG		38	30	
5665-16185	00000/0000 1-10055/0055	02/12/77	50	3217 4143N	10740W	20.2	131.4	GGG		38	31	
5665-16191	00000/0000 1-10055/0056	02/12/77	50	3217 4017N	10810W	20.9	130.7	GGG		38	32	
5665-16194	00000/0000 1-10055/0057	02/12/77	10	3217 3851N	10839W	21.4	130.0	GGG		38	33	
5665-16200	00000/0000 1-10055/0058	02/12/77	10	3217 3726N	10907W	22.3	129.2	GGG		38	34	
5665-16203	00000/0000 1-10055/0059	02/12/77	0	3217 3600N	10934W	22.9	128.5	GGG		38	35	
5665-16205	00000/0000 1-10055/0060	02/12/77	0	3217 3435N	10959W	23.6	127.7	GGG		38	36	
5665-16212	00000/0000 1-10055/0061	02/12/77	0	3217 3310N	11025W	24.3	127.0	GGG		38	37	
5665-16214	00000/0000 1-10055/0062	02/12/77	0	3217 3144N	11049W	24.9	126.2	GGG		38	38	
5665-16221	00000/0000 1-10055/0063	02/12/77	0	3217 3018N	11114W	25.5	125.4	GGG		38	39	
5666-16252	00000/0000 1-10055/0119	02/13/77	10	3231 3850N	11005W	21.8	129.7	GGG		39	33	
5666-16254	00000/0000 1-10055/0120	02/13/77	0	3231 3725N	11032W	22.5	129.0	GGG		39	34	
5666-16261	00000/0000 1-10055/0121	02/13/77	0	3231 3600N	11059W	23.2	128.2	FFGF		39	35	
5666-16263	00000/0000 1-10055/0122	02/13/77	0	3231 3434N	11125W	23.8	127.5	GGG		39	36	
5666-16270	00000/0000 1-10055/0123	02/13/77	0	3231 3309N	11151W	24.5	126.7	FFG		39	37	
5666-16272	00000/0000 1-10055/0124	02/13/77	0	3231 3143N	11216W	25.1	125.9	GGG		39	38	
5666-16275	00000/0000 1-10055/0125	02/13/77	0	3231 3017N	11240W	25.8	125.1	FFF		39	39	
5667-14483	00000/0000 1-10055/0114	02/14/77	60	3244 3601N	08636W	23.4	128.0	GGG		22	35	
5667-14490	00000/0000 1-10055/0115	02/14/77	10	3244 3435N	08702W	24.1	127.2	GGG		22	36	

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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

20:54 APR 04, 1977

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

PAGE 0024

OBSERVATION ID	MICROFILM POSITION IN ROLL RBV	ROLL #/MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE QUALITY			MSS 123	MSS 45678	MSS MODE	ORBIT PATH NUMBER	FRAME ROW NUMBER
									RBV	MSS	DATA					
5667-14492	00000/0000	1-10055/0116	02/14/77	0	3244	3309N	08727W	24.7	126.5	GGGG				22	37	
5667-14495	00000/0000	1-10055/0117	02/14/77	0	3244	3143N	08753W	25.3	125.7	GGG				22	38	
5667-14501	00000/0000	1-10055/0118	02/14/77	0	3244	3018N	08817W	26.0	124.9	GGG				22	39	
5667-16310	00000/0000	1-10055/0165	02/14/77	10	3245	3851N	11130W	22.1	129.5	GGGG				40	33	
5667-16312	00000/0000	1-10055/0166	02/14/77	10	3245	3726N	11158W	22.8	128.7	GGFG				40	34	
5667-16315	00000/0000	1-10055/0167	02/14/77	0	3245	3600N	11224W	23.4	128.0	GGGG				40	35	
5667-16321	00000/0000	1-10055/0168	02/14/77	0	3245	3435N	11250W	24.1	127.2	GGGG				40	36	
5667-16324	00000/0000	1-10055/0169	02/14/77	0	3245	3309N	11316W	24.7	126.4	GGGG				40	37	
5667-16330	00000/0000	1-10055/0164	02/14/77	10	3245	3143N	11341W	25.4	125.6	R GG				40	38	
5669-16410	00000/0000	1-10055/0276	02/16/77	40	3273	4308N	11254W	20.6	131.3	GGGG				42	30	
5669-16413	00000/0000	1-10055/0277	02/16/77	10	3273	4143N	11325W	21.3	130.5	GGGB				42	31	
5669-16415	00000/0000	1-10055/0278	02/16/77	10	3273	4018N	11355W	21.9	129.8	RGFR				42	32	
5669-16422	00000/0000	1-10055/0279	02/16/77	0	3273	3853N	11424W	22.6	129.0	GGGF				42	33	
5669-16424	00000/0000	1-10055/0280	02/16/77	0	3273	3727N	11452W	23.3	128.2	GF GG				42	34	
5669-16431	00000/0000	1-10055/0281	02/16/77	0	3273	3601N	11519W	24.0	127.5	RGFG				42	35	
5669-16433	00000/0000	1-10055/0282	02/16/77	0	3273	3435N	11546W	24.6	126.7	GGFG				42	36	
5669-16440	00000/0000	1-10055/0283	02/16/77	0	3273	3309N	11612W	25.2	125.9	GGGG				42	37	
5669-16442	00000/0000	1-10055/0284	02/16/77	10	3273	3144N	11637W	25.8	125.1	GGGG				42	38	
5670-15035	00000/0000	1-10055/0246	02/17/77	60	3286	4144N	08902W	21.5	130.3	GGFG				25	31	
5670-15041	00000/0000	1-10055/0247	02/17/77	30	3286	4018N	08931W	22.2	129.6	GGGG				25	32	
5670-15044	00000/0000	1-10055/0248	02/17/77	50	3286	3853N	09000W	22.9	128.8	RGGG				25	33	
5670-15050	00000/0000	1-10055/0249	02/17/77	70	3286	3727N	09028W	23.5	128.0	GGGG				25	34	
5670-15053	00000/0000	1-10055/0250	02/17/77	40	3286	3601N	09054W	24.2	127.2	GGGR				25	35	
5670-15055	00000/0000	1-10055/0251	02/17/77	30	3286	3435N	09120W	24.8	126.4	GGGG				25	36	
5670-15062	00000/0000	1-10055/0252	02/17/77	10	3286	3309N	09145W	25.4	125.6	GGGG				25	37	
5670-15064	00000/0000	1-10055/0253	02/17/77	10	3286	3144N	09210W	26.1	124.8	GGG3				25	38	
5670-16473	00000/0000	1-10055/0227	02/17/77	50	3287	4018N	11521W	22.2	129.5	RGGG				43	32	
5670-16475	00000/0000	1-10055/0228	02/17/77	40	3287	3853N	11550W	22.9	128.8	GGGG				43	33	
5670-16482	00000/0000	1-10055/0229	02/17/77	60	3287	3727N	11619W	23.6	128.0	GGGG				43	34	
5670-16484	00000/0000	1-10055/0230	02/17/77	40	3287	3602N	11646W	24.2	127.2	GGGG				43	35	
5670-16491	00000/0000	1-10055/0231	02/17/77	10	3287	3436N	11712W	24.8	126.4	GGGA				43	36	
5670-16493	00000/0000	1-10055/0232	02/17/77	40	3287	3310N	11737W	25.5	125.6	GGGG				43	37	
5670-16500	00000/0000	1-10055/0233	02/17/77	90	3287	3143N	11801W	26.1	124.8	GGGG				43	38	
5671-15090	00000/0000	1-10055/0254	02/18/77	30	3300	4310N	08958W	21.1	130.9	GGG3				26	30	
5671-15093	00000/0000	1-10055/0255	02/18/77	60	3300	4144N	09029W	21.8	130.1	GGGG				26	31	
5671-15095	00000/0000	1-10055/0256	02/18/77	50	3300	4018N	09058W	22.5	129.3	GGGG				26	32	

KEYS: CLOUD COVER X 0 TO 100 = % CLOUD COVER.
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

20:54 APR 04, '77

LANDSAT-1
OBSERVATION ID LISTING
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FROM 02/11/77 TO 02/28/77

PAGE 0025

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-DUAL MSS			MSS GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
							RBV	MSS	1 AT			
5671-15102	00000/0000 1-10055/0257	02/18/77	0	3300 3852N	09127W	23.1	128.5	GGGG		26	33	
5671-15104	00000/0000 1-10055/0258	02/18/77	0	3300 3726N	09154W	23.8	127.8	GGGG		26	34	
5671-15111	00000/0000 1-10055/0259	02/18/77	0	3300 3601N	09220W	24.4	127.0	GGGG		26	35	
5671-15113	00000/0000 1-10055/0260	02/18/77	20	3300 3436N	09246W	25.1	126.2	GGGG		26	36	
5671-15120	00000/0000 1-10055/0261	02/18/77	50	3300 3310N	09312W	25.7	125.4	GGGG		26	37	
5671-15122	00000/0000 1-10055/0262	02/18/77	60	3300 3144N	09337W	26.3	124.5	GGGG		26	38	
5671-15125	00000/0000 1-10055/0263	02/18/77	70	3300 3017N	09402W	26.9	123.7	GGGG		26	39	
5671-15131	00000/0000 1-10055/0264	02/18/77	30	3300 2852N	09426W	27.5	122.9	GGGG		26	40	
5671-15134	00000/0000 1-10055/0265	02/18/77	60	3300 2726N	09450W	28.0	122.0	GGGG		26	41	
5671-16504	00000/0000 1-10055/0234	02/18/77	10	3301 4848N	11327W	18.3	134.0	GGGG		44	26	
5671-16510	00000/0000 1-10055/0235	02/18/77	20	3301 4723N	11404W	19.0	133.2	GGGG		44	27	
5671-16513	00000/0000 1-10055/0236	02/18/77	70	3301 4557N	11438W	19.7	132.4	GGGG		44	28	
5671-16515	00000/0000 1-10055/0237	02/18/77	50	3301 4433N	11512W	20.4	131.6	GGGG		44	29	
5671-16522	00000/0000 1-10055/0238	02/18/77	40	3301 4308N	11544W	21.1	130.9	GGGG		44	30	
5671-16524	00000/0000 1-10055/0239	02/18/77	0	3301 4142N	11615W	21.8	130.1	GGGG		44	31	
5671-16531	00000/0000 1-10055/0240	02/18/77	10	3301 4017N	11645W	22.5	129.3	GGGG		44	32	
5671-16533	00000/0000 1-10055/0241	02/18/77	20	3301 3852N	11714W	23.2	128.5	GGGG		44	33	
5671-16536	00000/0000 1-10055/0242	02/18/77	10	3301 3727N	11742W	23.8	127.7	GGGG		44	34	
5671-16542	00000/0000 1-10055/0243	02/18/77	0	3301 3601N	11810W	24.5	126.9	GGGG		44	35	
5671-16545	00000/0000 1-10055/0244	02/18/77	20	3301 3435N	11836W	25.1	126.1	GGGG		44	36	
5671-16551	00000/0000 1-10055/0245	02/18/77	90	3301 3305N	11901W	25.7	125.3	GGGG		44	37	
5672-15165	00000/0000 1-10055/0285	02/19/77	20	3314 3600N	09347W	24.7	126.7	GGGG		27	35	
5672-15171	00000/0000 1-10055/0286	02/19/77	30	3314 3433N	09413W	25.3	125.9	GGGG		27	36	
5672-15174	00000/0000 1-10055/0287	02/19/77	20	3314 3309N	09438W	26.0	125.1	GGGG		27	37	
5672-15180	00000/0000 1-10055/0288	02/19/77	30	3314 3144N	09503W	26.6	124.3	GGGG		27	38	
5672-15183	00000/0000 1-10055/0289	02/19/77	60	3314 3018N	09528W	27.1	123.4	GGGG		27	39	
5672-16571	00000/0000 1-10055/0304	02/19/77	0	3315 4558N	11602W	20.0	132.2	GGGG		45	28	
5672-16573	00000/0000 1-10055/0305	02/19/77	0	3315 4433N	11636W	20.7	131.4	GGGG		45	29	
5672-16580	00000/0000 1-10055/0306	02/19/77	10	3315 4308N	11709W	21.4	130.6	GGGG		45	30	
5672-16582	00000/0000 1-10055/0307	02/19/77	0	3315 4142N	11741W	22.1	129.9	GGGG		45	31	
5672-16585	00000/0000 1-10055/0308	02/19/77	0	3315 4016N	11811W	22.8	129.1	GGGG		45	32	
5672-16591	00000/0000 1-10055/0309	02/19/77	10	3315 3851N	11830W	23.5	128.3	GGGG		45	33	
5672-16594	00000/0000 1-10055/0310	02/19/77	20	3315 3726N	11904W	24.1	127.5	GGGG		45	34	
5672-17000	00000/0000 1-10055/0311	02/19/77	30	3315 3600N	11971W	24.7	126.7	GGGG		45	35	
5672-17003	00000/0000 1-10055/0312	02/19/77	50	3315 3434N	12001W	25.4	125.9	GGGG		45	36	
5673-15214	00000/0000 1-10055/0266	02/20/77	10	3328 3854N	09419W	23.7	128.1	GGGG		28	33	

KEYS: CLOUD COVER x 0 TO 100 % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
							RBV	MSS				
5673-15220	00000/0000 1-10055/0267	02/20/77	10	3328 3728N	09448W	24.4	127.3	GGGG		28	34	
5673-15223	00000/0000 1-10055/0268	02/20/77	10	3328 3602N	09514W	25.0	126.4	GGGG		28	35	
5673-15225	00000/0000 1-10055/0269	02/20/77	9	3328 3436N	09540W	25.6	125.6	GGGG		28	36	
5673-15232	00000/0000 1-10055/0270	02/20/77	0	3328 3309N	09605W	26.2	124.8	GGGG		28	37	
5673-15234	00000/0000 1-10055/0271	02/20/77	0	3328 3144N	09630W	26.8	124.0	GGGG		28	38	
5673-15241	00000/0000 1-10055/0272	02/20/77	0	3328 3018N	09654W	27.4	123.1	GGGG		28	39	
5673-15243	00000/0000 1-10055/0273	02/20/77	0	3328 2851N	09718W	27.9	122.3	GGGG		28	40	
5673-15250	00000/0000 1-10055/0274	02/20/77	10	3328 2725N	09742W	28.5	121.4	GGGG		28	41	
5673-15252	00000/0000 1-10055/0275	02/20/77	30	3328 2559N	09805W	29.0	120.5	GGGG		28	42	
5674-15253	00000/0000 1-10055/0290	02/21/77	60	3342 4433N	09341W	21.3	131.0	GGGG		29	29	
5674-15260	00000/0000 1-10055/0291	02/21/77	30	3342 4308N	09413W	22.0	130.2	GGGG		29	30	
5674-15262	00000/0000 1-10055/0292	02/21/77	10	3342 4143N	09444W	22.7	129.4	GGGG		29	31	
5674-15265	00000/0000 1-10055/0293	02/21/77	0	3342 4018N	09514W	23.3	128.6	GGGG		29	32	
5674-15271	00000/0000 1-10055/0294	02/21/77	0	3342 3852N	09543W	24.0	127.8	GGGG		29	33	
5674-15274	00000/0000 1-10055/0295	02/21/77	10	3342 3726N	09611W	24.6	127.0	GGGG		29	34	
5674-15280	00000/0000 1-10055/0296	02/21/77	0	3342 3601N	09639W	25.3	126.2	GGGG		29	35	
5674-15283	00000/0000 1-10055/0297	02/21/77	0	3342 3435N	09705W	25.9	125.4	GGGG		29	36	
5674-15285	00000/0000 1-10055/0298	02/21/77	0	3342 3309N	09731W	26.5	124.5	GGGG		29	37	
5674-15292	00000/0000 1-10055/0299	02/21/77	10	3342 3143N	09756W	27.1	123.7	GGGG		29	38	
5674-15294	00000/0000 1-10055/0300	02/21/77	40	3342 3017N	09820W	27.6	122.8	GGGG		29	39	
5674-15301	00000/0000 1-10055/0301	02/21/77	60	3342 2851N	09844W	28.2	122.0	GGGG		29	40	
5674-15303	00000/0000 1-10055/0302	02/21/77	70	3342 2726N	09908W	28.7	121.1	GGGG		29	41	
5674-15310	00000/0000 1-10055/0303	02/21/77	90	3342 2601N	09931W	29.2	120.2	GGGG		29	42	

KEYS:

CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR ALASKA
FROM 02/11/77 TO 02/28/77

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER NUMBER	ORBIT	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL	MSS DATA	MSS IMAGE	ORBIT PATH	FRAME RBW NUMBER
	RBV	MSS			LAT	LONG		123 45678	MODE	GAIN	NUMBER	
5670-20052	00000/0000 1-10055/0226	02/17/77	50	3289	6930N	14746W	6.1	150.5	GGGG	H	79	11

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN,..... (BLANK)=LOW GAIN, H=HIGH GAIN

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**LANDSAT 1
COORDINATE LISTING**

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FROM 02/11/77 TO 02/28/77

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PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT	FRAME	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT	FRAME		
LAT			RBV MSS	PATH NUMBER	ROW NUMBER	LAT			RBV MSS	PATH NUMBER	ROW NUMBER		
06642W	4726N	5656-13430	40	GGGG	11	27	08231W	3016N	5663-14274	0	GGGG	18	39
06717W	4600N	5656-13433	40	GGGG	11	28	08242W	3437N	5664-14320	50	GGGG	19	36
06751W	4335N	5656-13435	40	GGGF	11	29	08255W	2851N	5663-14280	10	GGGG	18	40
06824W	4309N	5656-13442	50	GGGG	11	30	08308W	3311N	5664-14322	20	GGGG	19	37
06856W	4143N	5656-13444	70	GGGG	11	31	08334W	3144N	5664-14325	10	GFG	19	38
06926W	4017N	5656-13451	70	GGGG	11	32	08359W	3018N	5664-14331	0	GFG	19	39
07437W	4142N	5660-14072	20	GGGG	15	31	08636W	3601N	5667-14483	60	GGG	22	35
07506W	4018N	5660-14074	10	GGGG	15	32	08702W	3435N	5667-14490	10	FGGG	22	36
07535W	3853N	5660-14081	0	GGGG	15	33	08727W	3309N	5667-14492	0	FGGG	22	37
07603W	3726N	5660-14083	10	GGGG	15	34	08753W	3143N	5667-14495	0	GGG	22	38
07631W	3600N	5660-14090	10	GGGG	15	35	08817W	3018N	5667-14501	0	GGG	22	39
07658W	3433N	5660-14092	10	GGGG	15	36	08902W	4144N	5670-15035	60	GGFG	25	31
07724W	3307N	5660-14095	10	GGGF	15	37	08931W	4018N	5670-15041	30	GGGG	25	32
07749W	3141N	5660-14101	10	GGGG	15	38	08958W	4310N	5671-15090	30	GGGG	26	30
07802W	4017N	5662-14190	80	GGG	17	32	09000W	3853N	5670-15044	50	GGGG	25	33
07814W	3015N	5660-14104	50	GGGG	15	39	09028W	3727N	5670-15050	70	GGGG	25	34
07831W	3851N	5662-14193	30	FGGG	17	33	09029W	4144N	5671-15093	60	GGGG	26	31
07838W	2850N	5660-14110	40	GGGG	15	40	09054W	3601N	5670-15053	40	GGGG	25	35
07859W	3725N	5662-14195	10	GGGG	17	34	09058W	4018N	5671-15095	50	GGGG	26	32
07902W	2724N	5660-14113	20	GGGG	15	41	09120W	3435N	5670-15055	30	GGGG	25	36
07925W	3600N	5662-14202	0	GGFG	17	35	09127W	3852N	5671-15102	0	GGGG	26	33
07926W	2559N	5660-14115	30	GGGG	15	42	09145W	3309N	5670-15062	10	GGGG	25	37
07951W	3435N	5662-14204	0	GGGG	17	36	09154W	3726N	5671-15104	0	GGGG	26	34
08016W	3309N	5662-14211	10	GGGG	17	37	09210W	3144N	5670-15064	10	GGGG	25	38
08024W	4144N	5664-14295	20	GGGF	19	31	09220W	3601N	5671-15111	0	GGGG	26	35
08041W	3143N	5662-14213	60	GGGG	17	38	09246W	3436N	5671-15113	20	G3GG	26	36
08051W	3558N	5663-14260	0	GGGG	18	35	09249W	3852N	5654-15173	0	GGGG	27	33
08053W	4019N	5664-14302	10	GGGG	19	32	09312W	3310N	5671-15120	50	GGGG	26	37
08106W	3016N	5662-14220	80	GGGG	17	39	09316W	3726N	5654-15180	0	GGGG	27	34
08118W	3432N	5663-14262	0	GGGG	18	36	09323W	4848N	5657-15313	10	GGGG	30	26
08121W	3854N	5664-14304	0	FGGG	19	33	09337W	3144N	5671-15122	60	GGGG	26	38
08131W	2849N	5662-14222	60	GGGG	17	40	09341W	4433N	5674-15253	60	FGGG	29	29
08143W	3307N	5663-14265	0	GGGG	18	37	09344W	3600N	5654-15182	10	GGGG	27	38
08148W	3729N	5664-14311	10	GGGG	19	34	09347W	3600N	5672-15165	20	GGGG	27	35
08207W	3141N	5663-14271	0	GGGG	18	38	09400W	4723N	5657-15320	30	GGGG	30	27
08215W	3603N	5664-14313	10	GGG	19	35	09402W	3017N	5671-15125	70	GGGG	26	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS = NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

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PRINCIPAL PT. OF IMAGE	ABSERVATION ID	CC %	QUALITY	ORBIT	FRAME	PRINCIPAL PT. OF IMAGE	ABSERVATION ID	CC %	QUALITY	ORBIT	FRAME	
LONG	LAT		RBV MSS	PATH	ROW	LONG	LAT		RBV MSS	PATH	ROW	
			12345678	NUMBER	NUMBER				12345678	NUMBER	NUMBER	
09410W	3434N	5654-15185	0	FGGG	27	36	09737W	3726N	5657-15345	0	GGGG	30
09413W	4308N	5674-15260	30	FGGG	29	30	09742W	4848N	5660-15483	60	GGGG	33
09413W	3435N	5672-15171	30	GGGG	27	36	09742W	2725N	5673-15250	10	GGGG	28
09419W	3854N	5673-15214	10	GGGG	28	33	09756W	3143N	5674-15292	10	GGGG	29
09426W	2852N	5671-15131	30	GGGG	26	40	09804W	3600N	5657-15352	0	G3GG	30
09436W	4559N	5657-15322	10	GGGG	30	28	09805W	2559N	5673-15252	30	GGGG	28
09436W	3308N	5654-15191	10	GGGG	27	37	09807W	4017N	5658-15394	10	GGG	31
09438W	3309N	5672-15174	20	GGGG	27	37	09818W	4723N	5660-15490	40	G3GG	33
09444W	4143N	5674-15262	10	GGGG	29	31	09820W	3017N	5674-15294	40	GGGG	29
09448W	3728N	5673-15220	10	GGGG	28	34	09830W	3434N	5657-15354	10	GFGG	30
09450W	4848N	5658-15371	10	GGG	31	26	09835W	3851N	5658-15401	0	GGGF	31
09450W	2726N	5671-15134	60	GGGG	26	41	09844W	2851N	5674-15301	60	GGGF	29
09503W	3144N	5672-15180	30	GGFG	27	38	09853W	4558N	5660-15492	10	GGGG	33
09507W	4434N	5657-15325	70	GGGG	30	29	09856W	3308N	5657-15361	10	GGGG	30
09514W	4018N	5674-15265	0	GGGG	29	32	09903W	3726N	5658-15403	0	GGGG	31
09514W	3692N	5673-15223	10	GGGG	28	35	09906W	4849N	5661-15541	30	G3GG	34
09526W	4723N	5658-15374	10	GGGG	31	27	09908W	2726N	5674-15303	70	GGGG	29
09528W	3018N	5672-15183	60	GFGG	27	39	09921W	3142N	5657-15363	10	GGGG	30
09540W	4309N	5657-15331	80	GGGG	30	30	09925W	4433N	5660-15495	0	GGGG	33
09540W	3436N	5673-15225	0	GGGG	28	36	09930W	3600N	5658-15410	0	GGGG	31
09543W	3852N	5674-15271	0	GGGG	29	33	09931W	2601N	5674-15310	90	GGGG	29
09601W	4558N	5658-15380	10	GGGG	31	28	09932W	4016N	5659-15452	80	GGGG	32
09605W	3309N	5673-15232	0	GGGG	28	37	09942W	4724N	5661-15543	10	GGGG	34
09611W	4143N	5657-15334	90	GGGG	30	31	09945W	3016N	5657-15370	10	G3G2	30
09611W	3726N	5674-15274	10	GGG	29	34	09956W	3434N	5658-15412	0	GGGG	31
09630W	3144N	5673-15234	0	GGGG	28	38	09957W	4308N	5660-15501	0	GGGG	33
09634W	4433N	5658-15383	10	GGGG	31	29	10001W	3851N	5659-15455	50	GGGG	32
09639W	3601N	5674-15280	0	GGGG	29	35	10009W	2850N	5657-15372	0	FGGG	30
09640W	4017W	5657-15340	70	GGGG	30	32	10017W	4559N	5661-15550	10	G0G5	34
09654W	3018N	5673-15241	0	GGGG	28	39	10022W	3308N	5658-15419	0	GGGG	31
09705W	3435N	5674-15283	0	GGGG	29	36	10027W	4142N	5660-15504	0	GGGG	33
09706W	4308N	5658-15385	40	GGGG	31	30	10029W	3726N	5659-15461	30	GGGG	32
09709W	3851N	5657-15343	30	FGFG	30	33	10033W	4846N	5662-15595	10	FFFF	35
09718W	2851N	5673-15243	0	GGGG	28	40	10033W	2724N	5657-15375	10	GGGG	30
09731W	3309N	5674-15285	0	GGGG	29	37	10047W	3142N	5658-15421	0	GGGG	31
09737W	4143N	5658-15392	10	GGGG	31	31	10051W	4433N	5661-15552	0	G3GG	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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COORDINATE LISTING
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FROM 02/11/77 TO 02/28/77

PAGE 0032

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT	FRAME ROW NUMBER
LONG	LAT		RBV MSS	PATH NUMBER		LONG	LAT		RBV MSS	PATH NUMBER	
10056W	4017N	5660-15510	20	GGGG	33	10414W	3433N	5661-15582	30	GGGG	34
10056W	3600N	5659-15464	20	GFGG	32	10419W	3851N	5662-16024	0	GGGG	35
10056W	2558N	5657-15381	10	GGGG	30	10425W	2849N	5660-15542	40	GGGG	33
10110W	4722N	5662-16001	0	GGGG	35	10438W	4559N	5664-16120	20	GGGG	37
10111W	3016N	5658-15424	0	GGGG	31	10440W	3307N	5661-15584	40	G GG	34
10123W	4308N	5661-15555	0	GGGG	34	10444W	4144N	5663-16073	0	GGGG	36
10123W	3434N	5659-15470	10	GGGG	32	10447W	3726N	5662-16031	0	GGGG	35
10125W	3851N	5660-15513	30	GGGG	33	10449W	2723N	5660-15545	10	GGFG	33
10135W	2850N	5658-15430	0	GGGG	31	10454W	4850N	5665-16164	10	GGGG	38
10144W	4557N	5662-16004	0	GGGG	35	10506W	3141N	5661-15591	20	GGGG	34
10148W	3307N	5659-15473	10	GGGF	32	10511W	4435N	5664-16122	50	GGGG	37
10152W	3726N	5660-15515	10	GGGG	33	10515W	4019N	5663-16080	0	GGGG	36
10154W	4143N	5661-15561	0	GGGG	34	10515W	3600N	5662-16033	0	G GGG	35
10157W	4848N	5663-16053	10	GGGG	36	10530W	3015N	5661-15593	10	F3GG	34
10158W	2724N	5658-15433	0	GGGG	31	10531W	4725N	5665-16171	90	GGGG	38
10213W	3141N	5659-15475	0	GGGG	32	10541W	3434N	5662-16040	0	GGGG	35
10217W	4432N	5662-16010	0	GGGG	35	10543W	4310N	5664-16125	40	GGGG	37
10219W	3600N	5660-15522	30	GGGG	33	10544W	3853N	5663-16082	0	GGGG	36
10224W	4017N	5661-15564	0	FGGG	34	10555W	2849N	5661-16000	80	GGGG	34
10234W	4723N	5663-16055	10	GGGG	36	10605W	4600N	5665-16173	90	GGGG	38
10238W	3016N	5659-15482	0	GGGG	32	10605W	3308N	5662-16042	0	GGGG	35
10245W	3435N	5660-15524	40	GGGG	33	10612W	3728N	5663-16085	30	GGGG	36
10249W	4307N	5662-16013	0	GGGG	35	10613W	4145N	5664-16131	40	GGGG	37
10252W	3851N	5661-15570	0	GGGG	34	10630W	3142N	5662-16045	10	GGGG	35
10302W	2850N	5659-15484	10	GGGG	32	10638W	4435N	5665-16180	80	GGGG	38
10308W	4559N	5663-16062	10	GGGG	36	10643W	4019N	5664-16134	70	GGGG	37
10311W	3309N	5660-15531	0	GGGG	33	10654W	3016N	5662-16051	10	GGGG	35
10320W	4141N	5662-16015	10	GGGG	35	10710W	4309N	5665-16182	40	GGGG	38
10320W	3725N	5661-15573	0	FGGG	34	10712W	3853N	5664-16140	40	GGGG	37
10325W	2725N	5659-15491	0	GGGG	32	10740W	4143N	5665-16185	80	GGGG	38
10336W	3143N	5660-15533	70	GGGG	33	10740W	3727N	5664-16143	40	GGGG	37
10342W	4434N	5663-16064	0	GGGG	36	10807W	3601N	5664-16145	30	GGGG	37
10348W	3959N	5661-15575	0	FGGG	34	10810W	4017N	5665-16191	50	GGGG	38
10350W	4016N	5662-16022	10	GGGG	35	10833W	3435N	5664-16152	20	GGGG	37
10401W	3016N	5660-15540	90	GGGG	33	10839W	3851N	5665-16194	10	GGGG	38
10414W	4310N	5663-16071	0	GGGG	36	10858W	3309N	5664-16154	10	GGGG	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

20:54 APR 04, '77

LANDSAT-1
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

PAGE 0033

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT 12345678	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT 12345678	FRAME ROW NUMBER		
LONG	LAT					LONG	LAT						
10907N	3726N	5665-16200	10	GGGG	38	34	11612W	3304N	5669-16440	0	GGGG	42	37
10923N	3143N	5664-16161	0	GGGF	37	38	11615W	4142N	5671-16524	0	GGGG	44	31
10934N	3600N	5665-16203	0	GGG	38	35	11619W	3727N	5670-16482	60	GGGG	43	34
10948N	3017N	5664-16163	0	GGFF	37	39	11636W	4433N	5672-16573	0	GGFG	45	29
10959N	3435N	5665-16205	0	GF GG	38	36	11637W	3144N	5669-16442	10	G3GG	42	38
11005N	3850N	5666-16252	10	GGGG	39	33	11645W	4017N	5671-16531	10	GGGG	44	32
11025N	3310N	5665-16212	0	GGGG	38	37	11646W	3602N	5670-16484	40	GGGG	43	35
11032N	3725N	5666-16254	0	GGGG	39	34	11709W	4308N	5672-16580	10	GGGG	45	30
11049N	3144N	5665-16214	0	GGGG	38	38	11712W	3436N	5670-16491	10	GGGG	43	36
11059N	3600N	5666-16261	0	FFGF	39	35	11714W	3852N	5671-16533	20	GGGG	44	33
11114N	3018N	5665-16221	0	GF GG	38	39	11729W	4600N	5655-17042	70	GF GG	46	28
11125N	3434N	5666-16263	0	FGGG	39	36	11737W	3310N	5670-16493	40	GGGG	43	37
11130N	3851N	5667-16310	10	GGGG	40	33	11741W	4852N	5656-17091	60	G3GG	47	26
11151N	3309N	5666-16270	0	FFGG	39	37	11741W	4142N	5672-16582	0	G3GG	45	31
11158N	3726N	5667-16312	10	GGFG	40	34	11742W	3727N	5671-16540	10	GF GG	44	34
11216N	3143N	5666-16272	0	FGGG	39	38	11801W	3143N	5670-16500	90	G3GG	43	38
11224N	3600N	5667-16315	0	GGGG	40	35	11803W	4434N	5655-17045	20	GGGG	46	29
11240N	3017N	5666-16275	0	FFFG	39	39	11808W	4020N	5654-17002	30	GGGG	45	32
11250N	3435N	5667-16321	0	G3GG	40	36	11810W	3601N	5671-16542	0	G3GG	44	35
11254N	4308N	5669-16410	40	GGGG	42	30	11811W	4016N	5672-16585	0	GGGG	45	32
11316N	3309N	5667-16324	0	GGGG	40	37	11818W	4727N	5656-17093	90	GGGG	47	27
11325N	4143N	5669-16413	10	GGGG	42	31	11835W	4309N	5655-17051	20	GGGG	46	30
11327N	4848N	5671-16504	10	GGGG	44	26	11836W	3854N	5654-17005	30	GGGG	45	33
11341N	3143N	5667-16330	10	G GG	40	38	11836W	3435N	5671-16545	20	G3GG	44	36
11355N	4018N	5669-16415	10	GGF3	42	32	11839W	3851N	5672-16591	10	GG G	45	33
11404N	4723N	5671-16510	20	GGGG	44	27	11853W	4601N	5656-17100	80	GGGG	47	28
11424N	3853N	5669-16422	0	GGGF	42	33	11901W	3309N	5671-16551	90	GGGG	44	37
11438N	4557N	5671-16513	70	G3GG	44	28	11904W	3728N	5654-17011	40	GGGG	45	34
11452N	3727N	5669-16424	0	GF3G	42	34	11906W	4144N	5655-17054	10	GGGG	46	31
11512N	4433N	5671-16515	50	GGGG	44	29	11907W	4852N	5657-17145	70	GF GG	48	26
11519N	3601N	5669-16431	0	GFFG	42	35	11907W	3726N	5672-16594	20	GGGG	45	34
11521N	4018N	5670-16473	50	GGGG	43	32	11927W	4435N	5656-17102	30	GGGG	47	29
11544N	4308N	5671-16522	40	GF GG	44	30	11932W	3602N	5654-17014	70	GGGG	45	35
11546N	3435N	5669-16433	0	GGFG	42	36	11935W	3600N	5672-17000	30	G3GG	45	35
11550N	3853N	5670-16475	40	GGGG	43	33	11936W	4019N	5655-17060	0	GGGG	46	32
11602N	4558N	5672-16571	0	GGGF	45	28	11944W	4727N	5657-17151	90	GF GG	48	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

20:54 APR 04, 1977

LANDSAT-1
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/11/77 TO 02/28/77

PAGE 0034

PRINCIPAL PT. OF IMAGE LONG LAT	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH	FRAME ROW	PRINCIPAL PT. OF IMAGE LONG LAT	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH	FRAME ROW
			12345678	NUMBER	NUMBER				12345678	NUMBER	NUMBER
11958W 3436N	5654-17020	80	GGGG	45	36	12127W 3437N	5655-17074	50	GGGG	46	36
11959W 4309N	5656-17105	3	GGGG	47	30	12130W 3853N	5656-17120	30	FGGG	47	33
12001W 3634N	5672-17003	50	GGGG	45	36	12152W 3311N	5655-17081	70	GGGG	46	37
12005W 3855N	5655-17063	10	FGGG	46	33	12157W 4145N	5657-17165	0	FGGG	48	31
12019W 4601N	5657-17154	7	FGGG	48	28	12158W 3728N	5656-17123	40	GGGG	47	34
12024W 3310N	5654-17023	90	GGGG	45	37	12225W 3604N	5656-17125	20	G3GF	47	35
12031W 4144N	5656-17111	0	GGGG	47	31	12227W 4020N	5657-17172	10	FGGG	48	32
12033W 3729N	5655-17065	60	GGGG	46	34	12252W 3438N	5656-17132	40	GGGG	47	36
12053W 4436N	5657-17160	20	FGGG	48	29	12256W 3855N	5657-17174	20	FGG	48	33
12100W 3603N	5655-17072	50	GGGG	46	35	12325W 3729N	5657-17181	60	FFGG	48	34
12101W 4019N	5656-17114	10	GGGG	47	32	12352W 3603N	5657-17183	80	GFFF	48	35
12126W 4311N	5657-17163	10	GGGG	48	30						

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR, F = FAIR.

20:58 APR 04, 177

LANDSAT-1
COORDINATE LISTING
FOR ALASKA
FROM 02/11/77 TO 02/28/77

PAGE 0035

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT RBV MSS PATH	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT RBV MSS PATH	FRAME ROW NUMBER
LONG LAT 14746W 6930N	00- DOW	D	DGGG	12345678	79	11				12345678	

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

SECTION 5
LANDSAT 2 COVERAGE

0039

LANDSAT 2
OBSERVATION ID LISTING

18:22 MAR 30, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0040

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE QUALITY			MSS MODE	MSS GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
							R&V	MSS	123				
2735-17372	00000/0000 2-10027/0012	01/26/77	80	249 4854N	11444W	16.2	147.0			PGG3		45	26
2735-17375	00000/0000 2-10027/0013	01/26/77	30	249 4729N	11520W	17.2	146.3			FFGG		45	27
2735-17361	00000/0000 2-10027/0014	01/26/77	30	249 4604N	11556W	18.2	145.6			FFGF		45	28
2735-17384	00000/0000 2-10027/0015	01/26/77	40	249 4438N	11630W	19.2	144.9			FGGG		45	29
2735-17390	00000/0000 2-10027/0016	01/26/77	50	249 4313N	11703W	20.2	144.2			FGGG		45	30
2735-17393	00000/0000 2-10027/0017	01/26/77	10	249 4148N	11734W	21.1	143.5			FGGF		45	31
2735-17395	00000/0000 2-10027/0018	01/26/77	0	249 4021N	11804W	22.1	142.8			GGGG		45	32
2735-17402	00000/0000 2-10027/0019	01/26/77	10	249 3856N	11834W	23.1	142.1			GL3		45	33
2735-17404	00000/0000 2-10027/0020	01/26/77	10	249 3730V	11902W	24.0	141.4			FGGG		45	34
2735-17411	00000/0000 2-10027/0021	01/26/77	60	249 3624V	11929W	24.9	140.7			GGFF		45	35
2735-17413	00000/0000 2-10027/0022	01/26/77	10	249 3438V	11956W	25.9	140.0			FGGG		45	36
2735-17420	00000/0000 2-10027/0023	01/26/77	10	249 3312V	12022W	26.8	139.2			FGFF		45	37
2736-16031	00000/0000 2-10027/0152	01/27/77	0	262 3730V	09438W	24.2	141.2			GGGG		28	34
2736-16033	00000/0000 2-10027/0153	01/27/77	0	262 3604V	09505W	25.1	140.5			GGGG		28	35
2736-16040	00000/0000 2-10027/0154	01/27/77	20	262 3439N	09532W	26.0	139.8			GGGG		28	36
2736-16042	00000/0000 2-10027/0155	01/27/77	80	262 3313N	09558W	26.9	139.0			GGGG		28	37
2736-16045	00000/0000 2-10027/0156	01/27/77	10	262 3147N	09623W	27.8	138.3			GGGG		28	38
2736-16051	00000/0000 2-10027/0157	01/27/77	10	262 3020N	09649W	28.7	137.5			GGGG		28	39
2736-16054	00000/0000 2-10027/0158	01/27/77	30	262 2854N	09713W	29.6	136.7			GGGG		28	40
2736-16060	00000/0000 2-10027/0159	01/27/77	60	262 2728N	09737W	30.5	135.9			GGGG		28	41
2736-16063	00000/0000 2-10027/0160	01/27/77	30	262 2602N	09800W	31.4	135.0			GGGG		28	42
2736-17433	00000/0000 2-10027/0161	01/27/77	70	263 4729N	11647W	17.4	146.1			GGGG		46	27
2736-17435	00000/0000 2-10027/0162	01/27/77	30	263 4604V	11722W	18.4	145.4			GGGG		46	28
2736-17442	00000/0000 2-10027/0163	01/27/77	30	263 4440N	11756W	19.4	144.8			GGGG		46	29
2736-17444	00000/0000 2-10027/0164	01/27/77	10	263 4314N	11829W	20.4	144.1			GGGG		46	30
2736-17451	00000/0000 2-10027/0165	01/27/77	0	263 4148V	11900W	21.3	143.4			GGGG		46	31
2736-17453	00000/0000 2-10027/0166	01/27/77	10	263 4022N	11930W	22.3	142.7			GGGG		46	32
2736-17460	00000/0000 2-10027/0167	01/27/77	10	263 3856V	11959W	23.2	141.9			GGGG		46	33
2736-17462	00000/0000 2-10027/0168	01/27/77	50	263 3730V	12028W	24.2	141.2			GGGG		46	34
2736-17465	00000/0000 2-10027/0169	01/27/77	50	263 3624V	12055W	25.1	140.5			GGGG		46	35
2736-17474	00000/0000 2-10027/0170	01/27/77	80	263 3311V	12147W	27.0	139.0			FGGG		46	37
2737-14224	00000/0000 2-10027/0034	01/28/77	10	275 4726V	06636W	17.6	146.0			GGGG		11	27
2737-14231	00000/0000 2-10027/0035	01/28/77	10	275 4601V	06711W	18.6	145.3			GGGG		11	28
2737-14233	00000/0000 2-10027/0036	01/28/77	10	275 4435V	06745W	19.6	144.6			GGGG		11	29
2737-14240	00000/0000 2-10027/0037	01/28/77	20	275 4310V	06818W	20.6	143.9			GGGG		11	30
2737-14242	00000/0000 2-10027/0038	01/28/77	20	275 4145V	06849W	21.5	143.2			FFGG		11	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18:22 MAR 30 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0041

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER NUMBER	ORBIT	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
								RBV	MSS				
2737-14240	00000/0000	2-10027/0039	01/28/77	20	275 4019N	06919W	22.5	142.5	FFGF			11	32
2737-14053	00000/0000	2-10027/0040	01/28/77	30	276 4851N	09149W	16.7	146.7	GGGG			29	26
2737-16060	00000/0000	2-10027/0041	01/28/77	30	276 4726N	09225W	17.7	146.0	GGGG			29	27
2737-16062	00000/0000	2-10027/0042	01/28/77	10	276 4601N	09300W	18.6	145.3	GGGG			29	28
2737-16065	00000/0000	2-10027/0043	01/28/77	30	276 4436N	09334W	19.6	144.6	GGGG			29	29
2737-16071	00000/0000	2-10027/0044	01/28/77	60	276 4310N	09407W	20.6	143.9	GGGG			29	30
2737-16074	00000/0000	2-10027/0045	01/28/77	30	276 4145N	09437W	21.6	143.2	GGGG			29	31
2737-16080	00000/0000	2-10027/0046	01/28/77	10	276 4020N	09507W	22.5	142.5	GGGG			29	32
2737-16083	00000/0000	2-10027/0050	01/28/77	0	276 3854N	09536W	23.5	141.7	FFGG			29	33
2737-16085	00000/0000	2-10027/0051	01/28/77	10	276 3728N	09604W	24.4	141.0	FFGF			29	34
2737-16092	00000/0000	2-10027/0052	01/28/77	10	276 3602N	09632W	25.3	140.3	FFGG			29	35
2737-16094	00000/0000	2-10027/0053	01/28/77	30	276 3436N	09658W	26.2	139.5	GGGG			29	36
2737-16103	00000/0000	2-10027/0054	01/28/77	20	276 3144N	09750W	28.0	138.0	FGGG			29	38
2737-16110	00000/0000	2-10027/0055	01/28/77	0	276 3017N	09815W	28.9	137.2	FGGG			29	39
2737-16115	00000/0000	2-10027/0056	01/28/77	90	276 2725N	09903W	30.7	135.6	FGFG			29	41
2737-16121	00000/0000	2-10027/0057	01/28/77	40	276 2559N	09926W	31.5	134.7	FGGG			29	42
2737-17485	00000/0000	2-10027/0058	01/28/77	40	277 4855N	11735W	16.7	146.7	FGGG			47	26
2737-17491	00000/0000	2-10027/0059	01/28/77	90	277 4730N	11812W	17.6	146.0	GGGG			47	27
2737-17494	00000/0000	2-10027/0060	01/28/77	80	277 4605N	11848W	18.6	145.3	GGGG			47	28
2737-17500	00000/0000	2-10027/0061	01/28/77	10	277 4439N	11921W	19.6	144.6	GGGP			47	29
2737-17503	00000/0000	2-10027/0062	01/28/77	0	277 4314N	11954W	20.6	143.9	GGGG			47	30
2737-17505	00000/0000	2-10027/0063	01/28/77	0	277 4148N	12026W	21.5	143.2	FGGG			47	31
2737-17512	00000/0000	2-10027/0064	01/28/77	10	277 4022N	12056W	22.5	142.5	FGGG			47	32
2737-17514	00000/0000	2-10027/0065	01/28/77	40	277 3856N	12125W	23.4	141.8	GGGG			47	33
2737-17521	00000/0000	2-10027/0066	01/28/77	40	277 3730N	12153W	24.4	141.0	FFFF			47	34
2737-17523	00000/0000	2-10027/0067	01/28/77	10	277 3605N	12221W	25.3	140.3	FGF3			47	35
2737-17530	00000/0000	2-10027/0068	01/28/77	40	277 3438N	12247W	26.2	139.6	GGGF			47	36
2738-14282	00000/0000	2-10027/0069	01/29/77	80	289 4726N	06804W	17.9	145.8	FGG			12	27
2738-14285	00000/0000	2-10027/0070	01/29/77	20	289 4601N	06839W	18.9	145.1	GGG			12	28
2738-14291	00000/0000	2-10027/0071	01/29/77	10	289 4436N	06913W	19.8	144.4	GGG			12	29
2738-14294	00000/0000	2-10027/0072	01/29/77	30	289 4310N	06945W	20.8	143.7	FGG3			12	30
2738-14300	00000/0000	2-10027/0073	01/29/77	30	289 4145N	07016W	21.8	143.0	GGGG			12	31
2738-14303	00000/0000	2-10027/0074	01/29/77	90	289 4019N	07046W	22.7	142.3	GGGG			12	32
2738-14305	00000/0000	2-10027/0075	01/29/77	90	289 3854N	07115W	23.7	141.6	GGGR			12	33
2738-14312	00000/0000	2-10027/0076	01/29/77	90	289 3728N	07143W	24.6	140.8	GGGR			12	34
2738-14314	00000/0000	2-10027/0077	01/29/77	90	289 3601N	07211W	25.5	140.1	GGGG			12	35

KEYS: CLOUD COVER X 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED; L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

15:22 MAR 30, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0042

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE QUALITY			MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
								RSV	MSS	LAT				
2738-16114	00000/0000	2-10027/0126	01/29/77	20	290 4727N	09351W	17.9	145.8	GGGG	123	40578	30	27	
2738-16120	00000/0000	2-10027/0127	01/29/77	50	290 4601N	09426W	18.9	145.1	FGGG	123	40578	30	28	
2738-16123	00000/0000	2-10027/0128	01/29/77	20	290 4436N	09501W	19.8	144.4	GGGG	123	40578	30	29	
2738-16125	00000/0000	2-10027/0129	01/29/77	10	290 4310N	09533W	20.8	143.7	GGG3	123	40578	30	30	
2738-16132	00000/0000	2-10027/0130	01/29/77	0	290 4144N	09605W	21.8	143.0	GGGR	123	40578	30	31	
2738-16134	00000/0000	2-10027/0131	01/29/77	0	290 4019N	09634W	22.7	142.3	GGGS	123	40578	30	32	
2738-16141	00000/0000	2-10027/0132	01/29/77	0	290 3853N	09703W	23.7	141.5	GGGG	123	40578	30	33	
2738-16143	00000/0000	2-10027/0133	01/29/77	0	290 3728N	09731W	24.6	140.8	GGGR	123	40578	30	34	
2738-16150	00000/0000	2-10027/0134	01/29/77	0	290 3602N	09758W	25.5	140.1	GFFF	123	40578	30	35	
2738-16152	00000/0000	2-10027/0135	01/29/77	0	290 3436N	09825W	26.4	139.3	GFGG	123	40578	30	36	
2738-16155	00000/0000	2-10027/0136	01/29/77	50	290 3310N	09851W	27.3	138.6	GGFG	123	40578	30	37	
2738-16161	00000/0000	2-10027/0137	01/29/77	50	290 3144N	09916W	28.2	137.8	GGGR	123	40578	30	38	
2738-16164	00000/0000	2-10027/0138	01/29/77	50	290 3018N	09941W	29.1	137.0	GGGG	123	40578	30	39	
2738-16170	00000/0000	2-10027/0139	01/29/77	40	290 2851N	10005W	30.0	136.2	GGGR	123	40578	30	40	
2738-16173	00000/0000	2-10027/0140	01/29/77	60	290 2725N	10029W	30.8	135.3	GGGG	123	40578	30	41	
2738-16175	00000/0000	2-10027/0141	01/29/77	40	290 2559N	10052W	31.7	134.5	GGGR	123	40578	30	42	
2738-17543	00000/0000	2-10027/0142	01/29/77	30	291 4852N	11906W	16.9	146.5	GGGR	48	26			
2738-17545	00000/0000	2-10027/0143	01/29/77	80	291 4727N	11942W	17.9	145.8	GGGG	48	27			
2738-17552	00000/0000	2-10027/0144	01/29/77	80	291 4602N	12017W	18.9	145.1	GGGR	48	28			
2738-17554	00000/0000	2-10027/0145	01/29/77	30	291 4476N	12050W	19.9	144.4	GGGS	48	29			
2738-17561	00000/0000	2-10027/0146	01/29/77	0	291 4311N	12122W	20.8	143.7	GGGS	48	30			
2738-17563	00000/0000	2-10027/0147	01/29/77	0	291 4145N	12153W	21.8	143.0	GGGR	48	31			
2738-17570	00000/0000	2-10027/0148	01/29/77	10	291 4019N	12223W	22.7	142.2	GGG	48	32			
2738-17572	00000/0000	2-10027/0149	01/29/77	40	291 3853N	12253W	23.7	141.5	GGGR	48	33			
2738-17575	00000/0000	2-10027/0150	01/29/77	50	291 3727N	12321W	24.6	140.8	GGGG	48	34			
2738-17581	00000/0000	2-10027/0151	01/29/77	30	291 3602N	12349W	25.5	140.1	FGGG	48	35			
2739-14343	00000/0000	2-10027/0007	01/30/77	30	303 4602N	07002W	19.1	144.9	GGGR	13	28			
2739-14345	00000/0000	2-10027/0008	01/30/77	20	303 4476N	07036W	20.1	144.2	GGGR	13	29			
2739-14352	00000/0000	2-10027/0009	01/30/77	10	303 4310N	07109W	21.0	143.5	GGGR	13	30			
2739-14354	00000/0000	2-10027/0010	01/30/77	20	303 4145N	07141W	22.0	142.8	GGG3	13	31			
2739-14361	00000/0000	2-10027/0011	01/30/77	70	303 4019N	07211W	22.9	142.1	GGG3	13	32			
2739-16170	00000/0000	2-10027/0083	01/30/77	20	304 4851N	09441W	17.1	146.4	FGGR	31	26			
2739-16172	00000/0000	2-10027/0084	01/30/77	10	304 4726N	09517W	18.1	145.6	GGGG	31	27			
2739-16175	00000/0000	2-10027/0085	01/30/77	10	304 4631N	09552W	19.1	144.9	GGGF	31	28			
2739-16181	00000/0000	2-10027/0086	01/30/77	0	304 4476N	09625W	20.1	144.2	GGGR	31	29			
2739-16184	00000/0000	2-10027/0087	01/30/77	10	304 4310N	09657W	21.0	143.5	GGGR	31	30			

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, HIGH GAIN

18:22 MAR 30, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0043

OBSERVATION ID	MICR9FILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-DUAL MSS			MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
							123	45678	DATA MODE			
2739-16190	00000/0000 2-10027/0088	01/30/77	10	304 4145N	09729W	22.0	142.8				31	31
2739-16193	00000/0000 2-10027/0089	01/30/77	10	304 4019N	09759W	22.9	142.1				31	32
2739-16195	00000/0000 2-10027/0090	01/30/77	20	304 3854N	09828W	23.9	141.3				31	33
2739-16202	00000/0000 2-10027/0091	01/30/77	20	304 3727N	09856W	24.8	140.6				31	34
2739-16204	00000/0000 2-10027/0092	01/30/77	50	304 3602N	09924W	25.7	139.9				31	35
2739-16211	00000/0000 2-10027/0093	01/30/77	70	304 3435N	09950W	26.6	139.1				31	36
2739-16213	00000/0000 2-10027/0094	01/30/77	90	304 3309N	10016W	27.5	138.3				31	37
2739-16220	00000/0000 2-10027/0095	01/30/77	90	304 3144N	10041W	28.4	137.5				31	38
2739-16222	00000/0000 2-10027/0096	01/30/77	90	304 3017N	10106W	29.3	136.7				31	39
2739-16225	00000/0000 2-10027/0097	01/30/77	80	304 2851N	10130W	30.1	135.9				31	40
2739-16231	00000/0000 2-10027/0098	01/30/77	60	304 2725N	10154W	31.0	135.1				31	41
2739-18001	00000/0000 2-10027/0099	01/30/77	30	305 4851N	12030W	17.2	146.4				49	26
2739-18004	00000/0000 2-10027/0100	01/30/77	40	305 4726N	12107W	18.1	145.6				49	27
2739-18010	00000/0000 2-10027/0101	01/30/77	40	305 4601N	12142W	19.1	144.9				49	28
2739-18013	00000/0000 2-10027/0102	01/30/77	30	305 4436N	12215W	20.1	144.2				49	29
2739-18015	00000/0000 2-10027/0103	01/30/77	30	305 4311N	12247W	21.1	143.5				49	30
2739-18022	00000/0000 2-10027/0104	01/30/77	40	305 4145N	12318W	22.0	142.8				49	31
2739-18024	00000/0000 2-10027/0105	01/30/77	40	305 4020N	12348W	23.0	142.1				49	32
2739-18031	00000/0000 2-10027/0106	01/30/77	60	305 3854N	12417W	23.9	141.3				49	33
2740-14395	00000/0000 2-10027/0111	01/31/77	40	317 4726N	07055W	18.3	145.5				14	27
2740-14401	00000/0000 2-10027/0112	01/31/77	40	317 4601N	07130W	19.3	144.8				14	28
2740-14404	00000/0000 2-10027/0113	01/31/77	40	317 4436N	07203W	20.3	144.1				14	29
2740-14410	00000/0000 2-10027/0114	01/31/77	30	317 4311N	07235W	21.2	143.3				14	30
2740-14413	00000/0000 2-10027/0115	01/31/77	10	317 4145N	07306W	22.2	142.6				14	31
2740-14415	00000/0000 2-10027/0116	01/31/77	10	317 4020N	07336W	23.1	141.9				14	32
2740-14422	00000/0000 2-10027/0117	01/31/77	10	317 3854N	07405W	24.0	141.2				14	33
2740-14424	00000/0000 2-10027/0118	01/31/77	70	317 3728N	07434W	25.0	140.4				14	34
2740-14431	00000/0000 2-10027/0119	01/31/77	100	317 3622N	07501W	25.9	139.7				14	35
2740-14433	00000/0000 2-10027/0120	01/31/77	100	317 3436N	07528W	26.8	138.9				14	36
2740-14440	00000/0000 2-10027/0121	01/31/77	100	317 3310N	07554W	27.7	138.1				14	37
2740-14442	00000/0000 2-10027/0122	01/31/77	100	317 3144N	07619W	28.6	137.3				14	38
2740-14445	00000/0000 2-10027/0125	01/31/77	90	317 3018N	07644W	29.5	136.5				14	39
2740-14451	00000/0000 2-10027/0123	01/31/77	50	317 2852N	07705W	30.4	135.7				14	40
2740-14454	00000/0000 2-10027/0124	01/31/77	10	317 2725N	07732W	31.2	134.8				14	41
2740-16224	00000/0000 2-10027/0171	01/31/77	70	318 4852N	09608W	17.4	146.2				32	26
2740-16230	00000/0000 2-10027/0172	01/31/77	10	318 4727N	09644W	18.4	145.5				32	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18:22 1AR 30, 177

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0044

OBSERVATION ID	MICR0FILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER NUMBER	ORBIT	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
								123	45678				
2740-16233	00000/0000	2-10027/0173	01/31/77	30	318 4601N	09719W	19.3	144.8		GGGG		32	28
2740-16235	00000/0000	2-10027/0174	01/31/77	70	318 4436N	09753W	20.3	144.0		GGF		32	29
2740-16242	00000/0000	2-10027/0175	01/31/77	90	318 4310N	09825W	21.3	143.3		GFGG		32	30
2740-16244	00000/0000	2-10027/0176	01/31/77	50	318 4145N	09856W	22.2	142.6		GGFG		32	31
2740-16251	00000/0000	2-10027/0177	01/31/77	10	318 4019N	09926W	23.2	141.9		GGGF		32	32
2740-16253	00000/0000	2-10027/0178	01/31/77	10	318 3853N	09955W	24.1	141.1		GGGG		32	33
2740-16260	00000/0000	2-10027/0179	01/31/77	0	318 3727N	10023W	25.0	140.4		GFGG		32	34
2740-16262	00000/0000	2-10027/0180	01/31/77	0	318 3602N	10051W	25.9	139.7		GGGF		32	35
2740-16265	00000/0000	2-10027/0181	01/31/77	0	318 3436N	10117W	26.8	138.9		FGGG		32	36
2740-16271	00000/0000	2-10027/0182	01/31/77	10	318 3310N	10144W	27.7	138.1		GGGG		32	37
2740-16274	00000/0000	2-10027/0183	01/31/77	40	318 3144N	10209W	28.6	137.3		GGGG		32	38
2740-16280	00000/0000	2-10027/0184	01/31/77	10	318 3018N	10234W	29.5	136.5		GGGG		32	39
2740-16283	00000/0000	2-10027/0185	01/31/77	40	318 2851N	10258W	30.3	135.7		FGGG		32	40
2740-16285	00000/0000	2-10027/0186	01/31/77	90	318 2725N	10321W	31.2	134.8		GGGG		32	41
2740-18055	00030/0000	2-10027/0187	01/31/77	90	319 4852N	12156W	17.4	146.2		FGGF		50	26
2740-18062	00000/0000	2-10027/0188	01/31/77	90	319 4727N	12233W	18.4	145.5		FGGG		50	27
2740-18064	00000/0000	2-10027/0189	01/31/77	90	319 4601N	12308W	19.4	144.7		GGGP		50	28
2740-18071	00000/0000	2-10027/0190	01/31/77	80	319 4436N	12341W	20.3	144.0		GGGF		50	29
2740-18073	00000/0000	2-10027/0191	01/31/77	60	319 4311N	12414W	21.3	143.3		GGGG		50	30
2740-18083	00000/0000	2-10027/0192	01/31/77	40	319 4145N	12446W	22.2	142.6		FGGG		50	31
2740-18082	00000/0000	2-10027/0193	01/31/77	40	319 4019N	12516W	23.2	141.9		GFGF		50	32
2740-18085	00000/0000	2-10027/0194	01/31/77	40	319 3853N	12545W	24.1	141.1		GGGF		50	33
2741-14462	00000/0000	2-10027/0024	02/01/77	/0	331 4436N	07329W	20.5	143.9		GGGG		15	29
2741-14464	00000/0000	2-10027/0025	02/01/77	60	331 4310N	07401W	21.5	143.2		GGGG		15	30
2741-14471	00000/0030	2-10027/0026	02/01/77	20	331 4145N	07432W	22.4	142.4		GGGG		15	31
2741-14473	00000/0000	2-10027/0027	02/01/77	10	331 4019N	07503W	23.4	141.7		GGGG		15	32
2741-14480	00000/0000	2-10027/0028	02/01/77	10	331 3853N	07532W	24.3	141.0		GFGG		15	33
2741-14482	00000/0000	2-10027/0029	02/01/77	0	331 3727N	07600W	25.2	140.2		GFGG		15	34
2741-14485	00000/0000	2-10027/0030	02/01/77	0	331 3602N	07627W	26.1	139.5		GGGG		15	35
2741-14491	00000/0000	2-10027/0031	02/01/77	0	331 3436N	07654W	27.0	138.7		GFGG		15	36
2741-14503	00000/0000	2-10027/0032	02/01/77	40	331 3018N	07810W	29.7	136.3		GGGG		15	39
2741-14505	00000/0000	2-10027/0033	02/01/77	40	331 2852N	07834W	30.5	135.4		GGGG		15	40
2741-16282	00000/0000	2-10027/0198	02/01/77	10	332 4851N	09734W	17.6	146.1		GGGG		33	26
2741-16284	00000/0000	2-10027/0199	02/01/77	10	332 4725N	09810W	18.6	145.3		GGGG		33	27
2741-16291	00000/0000	2-10027/0200	02/01/77	0	332 4601N	09845W	19.6	144.6		GGGG		33	28
2741-16293	00000/0000	2-10027/0201	02/01/77	0	332 4435N	09919W	20.5	143.9		GGGG		33	29

KEYS: C-BJD COVER 4 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18:22 MAR 30, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0045

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD ORBIT COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL			MSS 123	MSS 45678	MSS DATA MODE	ORBIT PATH NUMBER	FRAME ROW NUMBER
							RBV	MSS	LAT					
2741-16303	00000/0000 2-10027/0202	02/01/77	0	332 4310N	09952W	21.5	143.1	GGGG					33	30
2741-16302	00000/0000 2-10027/0203	02/01/77	60	332 4144N	10023W	22.4	142.4	GGGG					33	31
2741-16303	00000/0000 2-10027/0204	02/01/77	80	332 4019N	10053W	23.4	141.7	GGGG					33	32
2741-16311	00000/0000 2-10027/0205	02/01/77	70	332 3854N	10122W	24.3	140.9	GGGG					33	33
2741-16314	00000/0000 2-10027/0206	02/01/77	90	332 3728N	10150W	25.2	140.2	GGGG					33	34
2741-16320	00000/0000 2-10027/0207	02/01/77	40	332 3602N	10217W	26.2	139.4	GGGG					33	35
2741-16323	00000/0000 2-10027/0208	02/01/77	10	332 3436N	10244W	27.1	138.7	GGGG					33	36
2741-16325	00000/0000 2-10027/0209	02/01/77	0	332 3309N	10310W	27.9	137.9	GGGG					33	37
2741-16332	00000/0000 2-10027/0210	02/01/77	0	332 3143N	10335W	28.8	137.1	GGGG					33	38
2741-16334	00000/0000 2-10027/0211	02/01/77	0	332 3018N	10359W	29.7	136.3	FGGG					33	39
2741-16341	00000/0000 2-10027/0212	02/01/77	0	332 2852N	10424W	30.5	135.4	GGGG					33	40
2741-16343	00000/0000 2-10027/0213	02/01/77	0	332 2725N	10448W	31.4	134.6	GGGG					33	41
2741-18114	00000/0000 2-10027/0214	02/01/77	90	333 4851N	12321W	17.7	146.0	GGGF					51	26
2741-18120	00000/0000 2-10027/0215	02/01/77	80	333 4726N	12358W	18.6	145.3	GGGF					51	27
2741-18123	00000/0000 2-10027/0216	02/01/77	50	333 4601N	12434W	19.5	144.6	GGGG					51	28
2742-14511	00000/0000 2-10027/0751	02/02/77	0	345 4726N	07347W	18.8	145.2	GGGG					16	27
2742-14514	00000/0000 2-10027/0752	02/02/77	0	345 4600N	07422W	19.8	144.4	GGGG					16	28
2742-14520	00000/0000 2-10027/0753	02/02/77	10	345 4635N	07456W	20.8	143.7	GGGG					16	29
2742-14523	00000/0000 2-10027/0754	02/02/77	20	345 4310N	07528W	21.7	143.0	GGGG					16	30
2742-14525	00000/0000 2-10027/0755	02/02/77	40	345 4145N	07559W	22.7	142.2	GGGG					16	31
2742-14532	00000/0000 2-10027/0756	02/02/77	30	345 4019N	07629W	23.6	141.5	GGGG					16	32
2742-14534	00000/0000 2-10027/0757	02/02/77	0	345 3853N	07659W	24.5	140.8	GGGG					16	33
2742-14541	00000/0000 2-10027/0758	02/02/77	0	345 3727N	07727W	25.5	140.0	GGGG					16	34
2742-14543	00000/0000 2-10027/0759	02/02/77	0	345 3602N	07754W	26.4	139.2	GGGG					16	35
2742-14550	00000/0000 2-10027/0760	02/02/77	0	345 3436N	07821W	27.3	138.5	GGGG					16	36
2742-14552	00000/0000 2-10027/0761	02/02/77	10	345 3310N	07847W	28.1	137.7	GGGG					16	37
2742-14555	00000/0000 2-10027/0762	02/02/77	30	345 3144N	07912W	29.0	136.9	FGGG					16	38
2742-14561	00000/0000 2-10027/0763	02/02/77	50	345 3018N	07937W	29.9	136.0	GGGG					16	39
2742-14564	00000/0000 2-10027/0764	02/02/77	70	345 2852N	08001W	30.7	135.2	GGGG					16	40
2742-14570	00000/0000 2-10027/0765	02/02/77	80	345 2725N	08025W	31.5	134.3	GGGG					16	41
2742-14573	00000/0000 2-10027/0766	02/02/77	90	345 2559N	08048W	32.4	133.4	GGGG					16	42
2742-14575	00000/0000 2-10027/0767	02/02/77	80	345 2433N	08111W	33.1	132.5	GGGG					16	43
2742-18172	00000/0000 2-10027/0237	02/02/77	20	347 4850N	12449W	17.9	145.9	GGGG					52	26
2743-14572	00000/0000 2-10027/0221	02/03/77	90	359 4559N	07550W	20.1	144.3	GGGG					17	28
2743-14574	00000/0000 2-10027/0222	02/03/77	100	359 4434N	07623W	21.0	143.5	FGGG					17	29
2743-14581	00000/0000 2-10027/0223	02/03/77	70	359 4309N	07656W	22.0	142.8	GGGG					17	30

KEYS: C-CLOUD COVER x 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS, BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

18:22 MAR 30, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0046

OBSERVATION ID	MICROFILE ROLL NO./ POSITION IN ROLL RBV MSS	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE QUALITY		MSS DATA IMAGE	MSS MODE	ORBIT PATH NUMBER	FRAME ROW NUMBER
							123	45678				
2743-14583	00000/0000	2-10027/0224	02/03/77	90 359 4143N	07727W	22.9	142.0		GGGG		17	31
2743-14590	00000/0000	2-10027/0225	02/03/77	80 359 4018N	07756W	23.9	141.3		GGGG		17	32
2743-14592	00000/0000	2-10027/0226	02/03/77	20 359 3852N	07825W	24.8	140.5		FGGG		17	33
2743-14595	00000/0000	2-10027/0227	02/03/77	10 359 3727N	07853W	25.7	139.8		GGGG		17	34
2743-15001	00000/0000	2-10027/0228	02/03/77	50 359 3601N	07921W	26.6	139.0		GGGG		17	35
2743-15004	00000/0000	2-10027/0229	02/03/77	40 359 3435N	07947W	27.5	138.2		GGGF		17	36
2743-15010	00000/0000	2-10027/0230	02/03/77	30 359 3309N	08013W	28.4	137.4		GGGG		17	37
2743-15013	00000/0000	2-10027/0231	02/03/77	70 359 3142N	08038W	29.2	136.6		GGGG		17	38
2743-15015	00000/0000	2-10027/0232	02/03/77	90 359 3016N	08103W	30.1	135.8		GGGG		17	39
2743-15022	00000/0000	2-10027/0233	02/03/77	90 359 2850N	08128W	30.9	134.9		GGGG		17	40
2743-15024	00000/0000	2-10027/0234	02/03/77	40 359 2724N	08151W	31.7	134.1		FGGG		17	41
2743-15031	00000/0000	2-10027/0235	02/03/77	20 359 2558N	08215W	32.5	133.2		GGFG		17	42
2743-15033	00000/0000	2-10027/0236	02/03/77	10 359 2431N	08237W	33.3	132.2		GGGF		17	43
2743-16394	00000/0000	2-10027/0238	02/03/77	90 360 4850N	10027W	18.2	145.7		GGGF		35	26
2743-16401	00000/0000	2-10027/0239	02/03/77	80 360 4725N	10103W	19.1	145.0		GF GG		35	27
2743-16403	00000/0000	2-10027/0240	02/03/77	70 360 4559N	10138W	20.1	144.2		GGGG		35	28
2743-16410	00000/0000	2-10027/0241	02/03/77	10 360 4435N	10212W	21.0	143.5		GGGG		35	29
2743-16412	00000/0000	2-10027/0242	02/03/77	0 360 4309N	10244W	22.0	142.8		GGGG		35	30
2743-16415	00000/0000	2-10027/0243	02/03/77	10 360 4144N	10315W	22.9	142.0		GGGG		35	31
2743-16421	00000/0000	2-10027/0244	02/03/77	10 360 4018N	10345W	23.9	141.3		GGGG		35	32
2743-16424	00000/0000	2-10027/0245	02/03/77	0 360 3853N	10414W	24.8	140.5		GGGG		35	33
2743-16433	00000/0000	2-10027/0246	02/03/77	10 360 3726N	10442W	25.7	139.8		GGGF		35	34
2743-16433	00000/0000	2-10027/0247	02/03/77	10 360 3600N	10509W	26.6	139.0		GGGG		35	35
2743-16435	00000/0000	2-10027/0248	02/03/77	10 360 3434N	10536W	27.5	138.2		GGGG		35	36
2743-16442	00000/0000	2-10027/0249	02/03/77	10 360 3309N	10602W	28.4	137.4		GGGG		35	37
2743-16444	00000/0000	2-10027/0250	02/03/77	10 360 3143N	10628W	29.2	136.6		GGGF		35	38
2743-16451	00000/0000	2-10027/0251	02/03/77	10 360 3017N	10652W	30.1	135.8		GGGG		35	39
2743-18230	00000/0000	2-10027/0308	02/03/77	30 361 4850N	12615W	18.2	145.7		GGGG		53	26
2744-15032	00000/0000	2-10027/0282	02/04/77	20 373 4434N	07749W	21.3	143.3		FFFF		18	29
2744-15035	00000/0000	2-10027/0283	02/04/77	40 373 4308N	07821W	22.2	142.6		GGGF		18	30
2744-15041	00000/0000	2-10027/0284	02/04/77	90 373 4143N	07853W	23.2	141.9		GGFF		18	31
2744-15044	00000/0000	2-10027/0285	02/04/77	100 373 4017N	07923W	24.1	141.1		GGGF		18	32
2744-15050	00000/0000	2-10027/0286	02/04/77	70 373 3852N	07951W	25.0	140.3		GGGF		18	33
2744-15053	00000/0000	2-10027/0287	02/04/77	10 373 3796N	08019W	25.9	139.6		GF GG		18	34
2744-15055	00000/0000	2-10027/0288	02/04/77	10 373 3600N	08047W	26.8	138.8		GGGG		18	35
2744-15062	00000/0000	2-10027/0289	02/04/77	10 373 3434N	08113W	27.7	138.0		FGGF		18	36

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0047

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD BAND	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS 123	MSS 45678	DATA MODE	IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
							BBV	BBN						
2744-15064	00000/0000 2-10027/0290	02/04/77	70	373 3308N	08139W	28.0	137.2	GGGG				18	37	
2744-15071	00000/0000 2-10027/0291	02/04/77	70	373 3142N	08205W	29.4	136.4	GGGG				18	38	
2744-15073	00000/0000 2-10027/0292	02/04/77	70	373 3017N	08229W	30.3	135.5	GGGG				18	39	
2744-15080	00000/0000 2-10027/0293	02/04/77	70	373 2850N	08254W	31.1	134.7	GGGF				18	40	
2744-15082	00000/0000 2-10027/0294	02/04/77	69	373 2724N	08317W	31.9	133.8	GGFS				18	41	
2744-15085	00000/0000 2-10027/0295	02/04/77	70	373 2658N	08331W	32.7	132.9	PPPP				18	42	
2744-15091	00000/0000 2-10027/0296	02/04/77	70	373 2431N	08404W	33.5	132.0	FFFF				18	43	
2744-16453	00000/0000 2-10027/0297	02/04/77	70	374 4849N	10154W	18.4	145.6	GGGR				36	26	
2744-16455	00000/0000 2-10027/0298	02/04/77	70	374 4724N	10230W	19.4	144.8	GGGG				36	27	
2744-16462	00000/0000 2-10027/0299	02/04/77	70	374 4559N	10306W	20.4	144.1	GGGC				36	28	
2744-16464	00000/0000 2-10027/0300	02/04/77	70	374 4434N	10339W	21.3	143.3	GGGG				36	29	
2744-16471	00000/0000 2-10027/0301	02/04/77	70	374 4309N	10412W	22.3	142.6	GGGG				36	30	
2744-16473	00000/0000 2-10027/0302	02/04/77	70	374 4143N	10443W	23.2	141.8	GGGG				36	31	
2744-16480	00000/0000 2-10027/0303	02/04/77	70	374 4017N	10512W	24.1	141.1	GGGG				36	32	
2744-16482	00000/0000 2-10027/0304	02/04/77	70	374 3852N	10541W	25.0	140.3	FGGG				36	33	
2744-16485	00000/0000 2-10027/0305	02/04/77	70	374 3726N	10609W	25.9	139.6	GGGG				36	34	
2744-16491	00000/0000 2-10027/0306	02/04/77	70	374 3600N	10637W	26.8	138.8	GGGG				36	35	
2744-16494	00000/0000 2-10027/0307	02/04/77	70	374 3474N	10703W	27.7	138.0	GGGG				36	36	
2744-16503	00000/0000 2-10027/0308	02/04/77	70	374 3307N	10729W	28.6	137.2	GGGG				36	37	
2744-16503	00000/0000 2-10027/0309	02/04/77	70	374 3142N	10754W	29.5	136.3	GGGG				36	38	
2744-16509	00000/0000 2-10027/0305	02/04/77	70	374 3016N	10819W	30.4	135.5	FGGG				36	39	
2744-16512	00000/0000 2-10027/0306	02/04/77	70	374 2850N	10844W	31.1	134.6	GGGG				36	40	
2745-15091	00000/0000 2-10027/0307	02/05/77	70	387 4433N	07916W	21.6	143.2	G				19	29	
2745-15093	00000/0000 2-10027/0307	02/05/77	70	387 4307N	07949W	22.5	142.4	GGF3				19	30	
2745-15100	00000/0000 2-10027/0308	02/05/77	70	387 4142N	08020W	23.4	141.7	GGFG				19	31	
2745-15102	00000/0000 2-10027/0309	02/05/77	70	387 4016N	08050W	24.4	140.9	GGFG				19	32	
2745-15103	00000/0000 2-10027/0300	02/05/77	69	387 3851N	08118W	25.3	140.1	FGGG				19	33	
2745-15111	00000/0000 2-10027/0301	02/05/77	69	387 3725N	08146W	26.2	139.4	GGGG				19	34	
2745-15114	00000/0000 2-10027/0302	02/05/77	69	387 3559N	08214W	27.1	138.6	GGGF				19	35	
2745-15120	00000/0000 2-10027/0303	02/05/77	70	387 3434N	08240W	28.0	137.8	GGGG				19	36	
2745-15123	00000/0000 2-10027/0304	02/05/77	70	387 3307N	08306W	28.8	136.9	FGGG				19	37	
2745-15125	00000/0000 2-10027/0305	02/05/77	70	387 3141N	08331W	29.7	136.1	FGGG				19	38	
2745-15132	00000/0000 2-10027/0306	02/05/77	70	387 3015N	08356W	30.5	135.3	GGGG				19	39	
2745-16511	00000/0000 2-10027/0360	02/05/77	70	388 4848N	10320W	18.7	145.4	GGGG				37	26	
2745-16513	00000/0000 2-10027/0361	02/05/77	80	388 4723N	10367W	19.7	144.7	GGGG				37	27	
2745-16520	00000/0000 2-10027/0362	02/05/77	20	388 4558N	10433W	20.6	143.9	GGGG				37	28	

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS-BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICR9FILE ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD ORBIT NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-DUAL MSS			MSS 123	ORBIT PATH	FRAME ROW NUMBER
							LAT	LONG	R3V MSS DATA 123	45678 MODE	GAIN	
2745-16522	00000/0000	2-10027/0363	02/05/77	10 388 4433N	10506W	21.6 143.1	GGGG				37	29
2745-16525	00000/0000	2-10027/0364	02/05/77	10 388 4307N	10539W	22.5 142.4	GGGF				37	30
2745-16531	00000/0000	2-10027/0365	02/05/77	20 388 4142N	10609W	23.5 141.6	GGGG				37	31
2745-16534	00000/0000	2-10027/0366	02/05/77	30 388 4016N	10639W	24.4 140.9	GGGG				37	32
2745-16540	00000/0000	2-10027/0367	02/05/77	30 388 3851N	10708W	25.3 140.1	GGGG				37	33
2745-16543	00000/0000	2-10027/0368	02/05/77	30 388 3725N	10736W	26.2 139.3	FGGG				37	34
2745-16545	00000/0000	2-10027/0369	02/05/77	40 388 3559N	10803W	27.1 138.5	FGGF				37	35
2745-16552	00000/0000	2-10027/0370	02/05/77	20 388 3433N	10829W	28.0 137.7	GGGG				37	36
2745-16554	00000/0000	2-10027/0371	02/05/77	10 388 3307N	10855W	28.8 136.9	GGFG				37	37
2745-16561	00000/0000	2-10027/0372	02/05/77	10 388 3141N	10920W	29.7 136.1	GGGG				37	38
2745-16563	00000/0000	2-10027/0373	02/05/77	10 388 3015N	10945W	30.5 135.2	GGGG				37	39
2746-15133	00000/0000	2-10027/0267	02/06/77	30 401 4847N	07858W	19.0 145.3	GGGG				20	26
2746-15140	00000/0000	2-10027/0268	02/06/77	30 401 4722N	07935W	19.9 144.5	GGGG				20	27
2746-15142	00000/0000	2-10027/0269	02/06/77	20 401 4557N	08009W	20.9 143.7	GGGG				20	28
2746-15145	00000/0000	2-10027/0270	02/06/77	10 401 4432N	08043W	21.8 143.0	GGGG				20	29
2746-15151	00000/0000	2-10027/0271	02/06/77	10 401 4307N	08115W	22.8 142.2	GGGG				20	30
2746-15154	00000/0000	2-10027/0272	02/06/77	10 401 4142N	08146W	23.7 141.5	GGGG				20	31
2746-15160	00000/0000	2-10027/0273	02/06/77	10 401 4016N	08216W	24.6 140.7	GGGG				20	32
2746-15163	00000/0000	2-10027/0274	02/06/77	10 401 3850N	08246W	25.5 139.9	GGGG				20	33
2746-15165	00000/0000	2-10027/0275	02/06/77	0 401 3724N	08314W	26.4 139.1	GGGG				20	34
2746-15172	00000/0000	2-10027/0276	02/06/77	0 401 3558N	08341W	27.3 138.3	GGGG				20	35
2746-15174	00000/0000	2-10027/0277	02/06/77	0 401 3433N	08408W	28.2 137.5	FGGG				20	36
2746-15181	00000/0000	2-10027/0278	02/06/77	0 401 3306N	08433W	29.1 136.7	GGGG				20	37
2746-15183	00000/0000	2-10027/0279	02/06/77	0 401 3140N	08459W	29.9 135.9	GGGG				20	38
2746-15190	00000/0000	2-10027/0280	02/06/77	0 401 3015N	08523W	30.7 135.0	GGGG				20	39
2746-15192	00000/0000	2-10027/0281	02/06/77	10 401 2848N	08548W	31.6 134.1	GGFG				20	40
2746-16565	00000/0000	2-10027/0317	02/06/77	60 402 4851N	10445W	18.9 145.3	GGGG				38	26
2746-16571	00000/0000	2-10027/0318	02/06/77	80 402 4726N	10523W	19.9 144.5	GGGG				38	27
2746-16574	00000/0000	2-10027/0319	02/06/77	60 402 4601N	10558W	20.9 143.8	GGGG				38	28
2746-16580	00000/0000	2-10027/0320	02/06/77	10 402 4435N	10631W	21.8 143.0	GGGG				38	29
2746-16583	00000/0000	2-10027/0321	02/06/77	30 402 4310N	10703W	22.8 142.2	GGGF				38	30
2746-16585	00000/0000	2-10027/0322	02/06/77	10 402 4144N	10733W	23.7 141.5	GGGG				38	31
2746-16592	00000/0000	2-10027/0323	02/06/77	10 402 4019N	10803W	24.6 140.7	GGGG				38	32
2746-16594	00000/0000	2-10027/0324	02/06/77	10 402 3853N	10832W	25.5 139.9	GGGG				38	33
2746-17001	00000/0000	2-10027/0325	02/06/77	10 402 3727N	10900W	26.4 139.2	GGGG				38	34
2746-17003	00000/0000	2-10027/0326	02/06/77	0 402 3601N	10927W	27.3 138.4	GGGG				38	35

KEYS: C=9JD COVER % 0 TO 100 % CLOUD COVER.
 IMAGE QUALITY BLANKS=3ANL NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD SH/BIT COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL			MSS IMAGE	MSS DATA	ORBIT PATH NUMBER	FRAME ROW NUMBER
							RBV	MSS	LAT				
2746-17010	00000/0000 2-10027/0327	02/06/77	10	402 3436N	10953W	28.2	137.5		GGGG		38	36	
2746-17012	00000/0000 2-10027/0328	02/06/77	20	402 3310N	11019W	29.0	136.7		GGGG		38	37	
2746-17015	00000/0000 2-10027/0329	02/06/77	10	402 3144N	11044W	29.9	135.9		GGGG		38	38	
2746-17021	00000/0000 2-10027/0330	02/06/77	0	402 3018N	11109W	30.7	135.0		GGGG		38	39	
2747-15191	00000/0000 2-10027/0331	02/07/77	10	415 4850N	08022W	19.2	145.1		GGG		21	26	
2747-15194	00000/0000 2-10027/0332	02/07/77	10	415 4725N	08059W	20.2	144.4		GGGG		21	27	
2747-15200	00000/0000 2-10027/0333	02/07/77	10	415 4600N	08134W	21.1	143.6		GGGG		21	28	
2747-15203	00000/0000 2-10027/0334	02/07/77	10	415 4435N	08208W	22.1	142.8		GGG		21	29	
2747-15205	00000/0000 2-10027/0335	02/07/77	10	415 4310N	08241W	23.0	142.1		GGGG		21	30	
2747-15212	00000/0000 2-10027/0336	02/07/77	10	415 4144N	08312W	23.9	141.3		GGGG		21	31	
2747-15214	00000/0000 2-10027/0337	02/07/77	10	415 4018N	08342W	24.8	140.5		GFFG		21	32	
2747-15221	00000/0000 2-10027/0338	02/07/77	10	415 3853N	08411W	25.8	139.7		GFGG		21	33	
2747-15223	00000/0000 2-10027/0339	02/07/77	0	415 3727N	08439W	26.7	139.0		GGGG		21	34	
2747-15230	00000/0000 2-10027/0340	02/07/77	0	415 3601N	08506W	27.5	138.1		GGGG		21	35	
2747-15232	00000/0000 2-10027/0341	02/07/77	0	415 3436N	08532W	28.4	137.3		GGGG		21	36	
2747-15235	00000/0000 2-10027/0342	02/07/77	0	415 3309N	08559W	29.3	136.5		FGGG		21	37	
2747-15241	00000/0000 2-10027/0343	02/07/77	0	415 3144N	08624W	30.1	135.6		FGGG		21	38	
2747-15244	00000/0000 2-10027/0344	02/07/77	20	415 3017N	08649W	30.9	134.8		FGFG		21	39	
2747-15250	00000/0000 2-10027/0345	02/07/77	70	415 2852N	08713W	31.8	133.9		FGFF		21	40	
2747-17023	00000/0000 2-10027/0346	02/07/77	10	416 4851N	10611W	19.2	145.1		GGGG		39	26	
2747-17030	00000/0000 2-10027/0347	02/07/77	20	416 4726N	10648W	20.2	144.3		GGGG		39	27	
2747-17032	00000/0000 2-10027/0348	02/07/77	0	416 4600N	10723W	21.1	143.6		GGGG		39	28	
2747-17035	00000/0000 2-10027/0349	02/07/77	0	416 4435N	10756W	22.1	142.8		GGGG		39	29	
2747-17041	00000/0000 2-10027/0350	02/07/77	0	416 4310N	10828W	23.0	142.1		GGGG		39	30	
2747-17044	00000/0000 2-10027/0351	02/07/77	0	416 4144N	10859W	24.0	141.3		GGGG		39	31	
2747-17050	00000/0000 2-10027/0352	02/07/77	0	416 4019N	10929W	24.9	140.5		GGGG		39	32	
2747-17053	00000/0000 2-10027/0353	02/07/77	0	416 3853N	10957W	25.8	139.7		GFGG		39	33	
2747-17055	00000/0000 2-10027/0354	02/07/77	10	416 3727N	11025W	26.7	138.9		FGGG		39	34	
2747-17062	00000/0000 2-10027/0355	02/07/77	10	416 3602N	11053W	27.6	138.1		FGGG		39	35	
2747-17064	00000/0000 2-10027/0356	02/07/77	0	416 3436N	11119W	28.4	137.3		FGGG		39	36	
2747-17071	00000/0000 2-10027/0357	02/07/77	0	416 3310N	11145W	29.3	136.5		FGGG		39	37	
2747-17073	00000/0000 2-10027/0358	02/07/77	0	416 3144N	11210W	30.1	135.6		FGGG		39	38	
2747-17080	00000/0000 2-10027/0359	02/07/77	0	416 3017N	11235W	31.0	134.8		GGGG		39	39	
2748-15250	00000/0000 2-10027/0386	02/08/77	90	429 4849N	08150W	19.5	145.0		GGGG		22	26	
2748-15252	00000/0000 2-10027/0387	02/08/77	80	429 4724N	08226W	20.5	144.2		GGGG		22	27	
2748-15255	00000/0000 2-10027/0388	02/08/77	90	429 4559N	08301W	21.4	143.4		GGGG		22	28	

KEYS: C-BUD COVER % 0 TO 100 % CLOUD COVER.
 IMAGE QUALITY BLANKS, BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

18:22 MAR 30, '77

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OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RSV MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL			MSS 123	MSS 45678	MSS MODE	ORBIT PATH	FRAME ROW NUMBER
								LAT	LONG	RSP					
2748-15261	00000/0000	2-10027/0389	02/08/77	60	429 4434N	08334W	22.3	142.7	GGGG				22	29	
2748-15264	00000/0000	2-10027/0390	02/08/77	40	429 4309N	08406W	23.3	141.9	GGGG				22	30	
2748-15270	00000/0000	2-10027/0391	02/08/77	50	429 4143N	08437W	24.2	141.1	GGGG				22	31	
2748-15273	00000/0000	2-10027/0392	02/08/77	40	429 4018N	08507W	25.1	140.3	GGGG				22	32	
2748-15275	00000/0000	2-10027/0393	02/08/77	10	429 3852N	08536W	26.0	139.5	GGGG				22	33	
2748-15282	00000/0000	2-10027/0394	02/08/77	10	429 3727N	08603W	26.9	138.7	GGGG				22	34	
2748-15284	00000/0000	2-10027/0395	02/08/77	0	429 3601N	08630W	27.8	137.9	GGGF				22	35	
2748-15291	00000/0000	2-10027/0396	02/08/77	10	429 3435N	08656W	28.7	137.1	GGGF				22	36	
2748-15293	00000/0000	2-10027/0397	02/08/77	10	429 3310N	08723W	29.6	136.3	GGGG				22	37	
2748-15300	00000/0000	2-10027/0398	02/08/77	10	429 3143N	08748W	30.4	135.4	GGGF				22	38	
2748-15302	00000/0000	2-10027/0399	02/08/77	10	429 3017N	08813W	31.2	134.5	GGGF				22	39	
2748-15305	00000/0000	2-10027/0400	02/08/77	30	429 2852N	08837W	32.0	133.6	FGGG				22	40	
2748-17081	00000/0000	2-10027/0401	02/08/77	10	430 4850N	10736W	19.5	145.0	GF GG				40	26	
2748-17084	00000/0000	2-10027/0402	02/08/77	10	430 4725N	10815W	20.5	144.2	GGGG				40	27	
2748-17090	00000/0000	2-10027/0403	02/08/77	10	430 4559N	10850W	21.4	143.4	GGGG				40	28	
2748-17093	00000/0000	2-10027/0404	02/08/77	10	430 4434N	10924W	22.4	142.6	GGGG				40	29	
2748-17095	00000/0000	2-10027/0405	02/08/77	10	430 4309N	10956W	23.3	141.9	GGGG				40	30	
2748-17102	00000/0000	2-10027/0406	02/08/77	0	430 4144N	11027W	24.2	141.1	GGGF				40	31	
2748-17104	00000/0000	2-10027/0407	02/08/77	10	430 4018N	11057W	25.1	140.3	GGGG				40	32	
2748-17111	00000/0000	2-10027/0408	02/08/77	0	430 3852N	11126W	26.0	139.5	GGGG				40	33	
2748-17113	00000/0000	2-10027/0409	02/08/77	0	430 3726N	11153W	26.9	138.7	GGGG				40	34	
2748-17120	00000/0000	2-10027/0410	02/08/77	10	430 3601N	11220W	27.8	137.9	GGGG				40	35	
2748-17122	00000/0000	2-10027/0411	02/08/77	10	430 3434N	11247W	28.7	137.1	GGGG				40	36	
2748-17125	00000/0000	2-10027/0412	02/08/77	10	430 3308N	11312W	29.5	136.2	GGGG				40	37	
2748-17131	00000/0000	2-10027/0413	02/08/77	10	430 3143N	11338W	30.4	135.4	GGFB				40	38	
2748-17134	00000/0000	2-10027/0414	02/08/77	10	430 3018N	11403W	31.2	134.5	GGGF				40	39	
2749-15304	00000/0000	2-10027/0435	02/09/77	100	443 4849N	08318W	19.8	144.8	GGG				23	26	
2749-15310	00000/0000	2-10027/0436	02/09/77	100	443 4724N	08354W	20.8	144.0	GGGG				23	27	
2749-15313	00000/0000	2-10027/0437	02/09/77	90	443 4559N	08428W	21.7	143.3	GGGG				23	28	
2749-15315	00000/0000	2-10027/0438	02/09/77	70	443 4424N	08501W	22.6	142.5	GGGG				23	29	
2749-15322	00000/0000	2-10027/0439	02/09/77	40	443 4308N	08533W	23.6	141.7	GG G				23	30	
2749-15324	00000/0000	2-10027/0440	02/09/77	50	443 4143N	08605W	24.5	140.9	GF GG				23	31	
2749-15331	00000/0000	2-10027/0441	02/09/77	40	443 4018N	08635W	25.4	140.1	GGGG				23	32	
2749-15333	00000/0000	2-10027/0442	02/09/77	10	443 3852N	08704W	26.3	139.3	GGGG				23	33	
2749-15340	00000/0000	2-10027/0443	02/09/77	10	443 3726N	08731W	27.2	138.5	GG G				23	34	
2749-15342	00000/0000	2-10027/0444	02/09/77	0	443 3600N	08758W	28.1	137.7	GGFG				23	35	

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

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PAGE 0051

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL			ORBIT PATH	FRAME ROW NUMBER
							RBV	MSS	MSS DATA	MSS IMAGE	MSS GAIN
				LAT	LONG	123	45678	MODE			
2749-15345	00000/0000	2-10027/0445	02/09/77	0	443	3434N	08824W	28.9	136.9	GGGG	23 36
2749-15351	00000/0000	2-10027/0446	02/09/77	0	443	33084	08850W	29.8	136.0	GGGG	23 37
2749-15354	00000/0000	2-10027/0447	02/09/77	0	443	3143N	08915W	30.6	135.1	GGGG	23 38
2749-15360	00000/0000	2-10027/0448	02/09/77	0	443	3017N	08940W	31.4	134.3	GGGG	23 39
2749-15363	00000/0000	2-10027/0449	02/09/77	20	443	2851N	09004W	32.2	133.4	FFFG	23 40
2749-15365	00000/0000	2-10027/0450	02/09/77	80	443	2725N	09028W	33.0	132.4	GGGG	23 41
2749-17135	00000/0000	2-10027/0415	02/09/77	10	444	4849N	10904W	19.8	144.8	GGGG	41 26
2749-17142	00000/0000	2-10027/0416	02/09/77	10	444	4724N	10941W	20.8	144.0	GGGG	41 27
2749-17144	00000/0000	2-10027/0417	02/09/77	10	444	4559N	11016W	21.7	143.2	GGGG	41 28
2749-17151	00000/0000	2-10027/0418	02/09/77	0	444	4434N	11050W	22.7	142.5	GGGG	41 29
2749-17153	00000/0000	2-10027/0419	02/09/77	10	444	4309N	11122W	23.6	141.7	GGGG	41 30
2749-17160	00000/0000	2-10027/0420	02/09/77	10	444	4143N	11153W	24.5	140.9	GGGG	41 31
2749-17162	00000/0000	2-10027/0421	02/09/77	20	444	4018N	11223W	25.4	140.1	GGGG	41 32
2749-17165	00000/0000	2-10027/0422	02/09/77	40	444	3852N	11252W	26.3	139.3	GGFG	41 33
2749-17171	00000/0000	2-10027/0423	02/09/77	50	444	3727N	11320W	27.2	138.5	GGGG	41 34
2749-17174	00000/0000	2-10027/0424	02/09/77	30	444	3601N	11347W	28.1	137.7	GGG	41 35
2749-17180	00000/0000	2-10027/0425	02/09/77	10	444	3435N	11413W	28.9	136.8	GGGG	41 36
2749-17183	00000/0000	2-10027/0426	02/09/77	60	444	3309N	11439W	29.8	136.0	GGGG	41 37
2749-17185	00000/0000	2-10027/0427	02/09/77	30	444	3143N	11503W	30.6	135.1	GGGG	41 38
2750-15362	2-10027/0976	2-10027/0463	02/10/77	80	457	4849N	08441W	20.1	144.6	GGG GGGG	24 26
2750-15363	2-10027/0977	2-10027/0464	02/10/77	50	457	4724N	08518W	21.1	143.9	FGG GGGG	24 27
2750-15371	00000/0000	2-10027/0465	02/10/77	30	457	4559N	08553W	22.0	143.1	GGGG	24 28
2750-15374	00000/0000	2-10027/0466	02/10/77	40	457	4433N	08626W	22.9	142.3	GGGG	24 29
2750-15380	00000/0000	2-10027/0467	02/10/77	10	457	4308N	08658W	23.8	141.5	GGGG	24 30
2750-15383	2-10027/0978	2-10027/0468	02/10/77	0	457	4143N	08729W	24.8	140.7	FFG GGGG	24 31
2750-15385	2-10027/0979	2-10027/0469	02/10/77	0	457	4018N	08759W	25.7	139.9	GGG GGGG	24 32
2750-15392	2-10027/0980	2-10027/0470	02/10/77	0	457	3852N	08828W	26.6	139.1	G G GGGG	24 33
2750-15394	2-10027/0981	2-10027/0471	02/10/77	0	457	3734N	08856W	27.5	138.3	GGG GGGG	24 34
2750-15401	2-10027/0982	2-10027/0472	02/10/77	0	457	3601N	08923W	28.3	137.4	GGG GGGG	24 35
2750-15403	2-10027/0983	2-10027/0473	02/10/77	0	457	3435N	08949W	29.2	136.6	GGG GGGG	24 36
2750-15410	2-10027/0984	2-10027/0474	02/10/77	10	457	3309N	09015W	30.0	135.7	GG GGGG	24 37
2750-15412	00000/0000	2-10027/0475	02/10/77	10	457	3143N	09040W	30.9	134.9	GGGG	24 38
2750-15415	00000/0000	2-10027/0476	02/10/77	10	457	3017N	09105W	31.7	134.0	GGGG	24 39
2750-15421	00000/0000	2-10027/0477	02/10/77	10	457	2851N	09130W	32.5	133.1	GGGG	24 40
2750-17200	00000/0000	2-10027/0451	02/10/77	90	458	4723N	11107W	21.1	143.9	GGGG	42 27
2750-17203	00000/0000	2-10027/0452	02/10/77	90	458	4558N	11143W	22.0	143.1	GGGG	42 28

KEYS: C=CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED; L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

15:22 MAR 30, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FR94 02/01/77 TO 02/28/77

PAGE 0052

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER NUMBER	ORBIT	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL	MSS 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2750-17205	00000/0000	2-10027/0453	02/10/77	70	458 4434N	11216W	22.9	142.3	FGGG				42	29
2750-17212	00000/0000	2-10027/0454	02/10/77	60	458 4308N	11249W	23.9	141.5	GGGG				42	30
2750-17214	00000/0000	2-10027/0455	02/10/77	10	458 4143N	11320W	24.8	140.7	GGGG				42	31
2750-17221	00000/0000	2-10027/0456	02/10/77	10	458 4018N	11350W	25.7	139.9	GGGG				42	32
2750-17223	00000/0000	2-10027/0457	02/10/77	0	458 3852N	11419W	26.6	139.1	GGGG				42	33
2750-17230	00000/0000	2-10027/0458	02/10/77	10	458 3725N	11447W	27.5	138.3	GGGG				42	34
2750-17232	00000/0000	2-10027/0459	02/10/77	10	458 3600N	11514W	28.3	137.5	PGGG				42	35
2750-17235	00000/0000	2-10027/0460	02/10/77	10	458 3434N	11540W	29.2	136.6	GGGG				42	36
2750-17241	00000/0000	2-10027/0461	02/10/77	0	458 3309N	11606W	30.0	135.8	GGGG				42	37
2750-17244	00000/0000	2-10027/0462	02/10/77	10	458 3143N	11631W	30.9	134.9	GGGG				42	38
2751-15420	00000/0000	2-10027/0530	02/11/77	90	471 4848N	08609W	20.4	144.5	GGGG				25	26
2751-15423	00000/0000	2-10027/0531	02/11/77	90	471 4723N	08645W	21.3	143.7	GGG				25	27
2751-15425	00000/0000	2-10027/0532	02/11/77	90	471 4558N	08720W	22.3	142.9	GGGG				25	28
2751-15432	00000/0000	2-10027/0533	02/11/77	40	471 4433N	08753W	23.2	142.1	GGGG				25	29
2751-15434	00000/0000	2-10027/0534	02/11/77	10	471 4308N	08825W	24.1	141.3	GGGF				25	30
2751-15441	00000/0000	2-10027/0535	02/11/77	10	471 4143N	08857W	25.1	140.5	GGGF				25	31
2751-15443	00000/0000	2-10027/0536	02/11/77	10	471 4017N	08926W	26.0	139.7	GGF				25	32
2751-15450	00000/0000	2-10027/0537	02/11/77	10	471 3851N	08955W	26.8	138.9	GGG				25	33
2751-15452	00000/0000	2-10027/0538	02/11/77	10	471 3726N	09023W	27.7	138.1	GGGF				25	34
2751-15455	00000/0000	2-10027/0539	02/11/77	40	471 3600N	09050W	28.6	137.2	GGGF				25	35
2751-15461	00000/0000	2-10027/0540	02/11/77	90	471 3434N	09117W	29.4	136.4	GGGF				25	36
2751-15464	00000/0000	2-10027/0541	02/11/77	90	471 3308N	09142W	30.3	135.5	GGGF				25	37
2751-15470	00000/0000	2-10027/0542	02/11/77	70	471 3142N	09208W	31.1	134.6	GGGF				25	38
2751-15473	00000/0000	2-10027/0543	02/11/77	70	471 3016N	09233W	31.9	133.7	GGGG				25	39
2751-15475	00000/0000	2-10027/0549	02/11/77	30	471 2850N	09257W	32.7	132.8	G G				25	40
2751-17252	00000/0000	2-10027/0478	02/11/77	10	472 4848N	11158W	20.4	144.5	G GF				43	26
2751-17254	00000/0000	2-10027/0479	02/11/77	40	472 4723N	11235W	21.4	143.7	GGGF				43	27
2751-17261	00000/0000	2-10027/0480	02/11/77	80	472 4548N	11310W	22.3	142.9	PGPG				43	28
2751-17263	00000/0000	2-10027/0481	02/11/77	40	472 4433N	11344W	23.2	142.1	PGGR				43	29
2751-17270	00000/0000	2-10027/0482	02/11/77	10	472 4308N	11417W	24.2	141.3	GPG				43	30
2751-17272	00000/0000	2-10027/0483	02/11/77	10	472 4142N	11448W	25.1	140.5	GGG				43	31
2751-17275	00000/0000	2-10027/0484	02/11/77	10	472 4017N	11517W	26.0	139.7	PGGR				43	32
2751-17281	00000/0000	2-10027/0485	02/11/77	0	472 3851N	11546W	26.9	138.9	GGGG				43	33
2751-17284	00000/0000	2-10027/0486	02/11/77	0	472 3725N	11614W	27.7	138.1	GF GG				43	34
2751-17290	00000/0000	2-10027/0487	02/11/77	0	472 3559N	11641W	28.6	137.2	GF GG				43	35
2751-17293	00000/0000	2-10027/0488	02/11/77	2	472 3433N	11707W	29.5	136.4	GGG				43	36

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED; L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN; H=HIGH GAIN

15:22 MAR 30, 177

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0053

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	MSS PATH NUMBER	ORBIT NUMBER	FRAME RW
							RBV	MSS					
2751-17295	00000/0000 2-10027/0489	02/11/77	0	472 3307N	11732W	30.3	135.5	GGGF		43	37		
2751-17302	00000/0000 2-10027/0490	02/11/77	0	472 3141N	11757W	31.1	134.6	GGGF		43	36		
2752-15474	00000/0000 2-10027/0516	02/12/77	80	485 4848N	08733W	20.7	144.4	GGG3		26	26		
2752-15481	00000/0000 2-10027/0517	02/12/77	80	485 4723N	08810W	21.7	143.6	FGG3		26	27		
2752-15483	00000/0000 2-10027/0518	02/12/77	80	485 4558N	08845W	22.6	142.8	GGGG		26	28		
2752-15490	00000/0000 2-10027/0519	02/12/77	80	485 4433N	08918W	23.5	141.9	GGGG		26	29		
2752-15492	00000/0000 2-10027/0520	02/12/77	70	485 4308N	08951W	24.4	141.1	GGGG		26	30		
2752-15495	00000/0000 2-10027/0521	02/12/77	40	485 4142N	09022W	25.3	140.3	GGGR		26	31		
2752-15501	00000/0000 2-10027/0522	02/12/77	40	485 4017N	09052W	26.2	139.5	GGGR		26	32		
2752-15510	00000/0000 2-10027/0523	02/12/77	80	485 3726N	09148W	28.0	137.9	GGGG		26	34		
2752-15513	00000/0000 2-10027/0524	02/12/77	60	485 3601N	09215W	28.9	137.0	GGG3		26	35		
2752-15515	00000/0000 2-10027/0525	02/12/77	80	485 3434N	09241W	29.7	136.2	GGGG		26	36		
2752-15522	00000/0000 2-10027/0526	02/12/77	90	485 3308N	09307W	30.5	135.3	GGGG		26	37		
2752-15524	00000/0000 2-10027/0527	02/12/77	50	485 3143N	09333W	31.4	134.4	GGGG		26	36		
2752-15531	00000/0000 2-10027/0528	02/12/77	50	485 3016N	09358W	32.2	133.5	GGGG		26	39		
2752-15533	00000/0000 2-10027/0491	02/12/77	90	485 2850N	09422W	33.0	132.5	GG G		26	40		
2752-15540	00000/0000 2-10027/0492	02/12/77	100	485 2723N	09446W	33.7	131.6	GGG		26	41		
2752-15542	00000/0000 2-10027/0493	02/12/77	80	485 2557N	09509W	34.5	130.6	GGG		26	42		
2752-15545	00000/0000 2-10027/0494	02/12/77	70	485 2431N	09532W	35.2	129.6	GGG		26	43		
2752-17310	00000/0000 2-10027/0545	02/12/77	70	486 4848N	11322W	20.7	144.3	FG G		44	26		
2752-17313	00000/0000 2-10027/0544	02/12/77	90	486 4723N	11359W	21.7	143.5	FG G		44	27		
2752-17315	00000/0000 2-10027/0546	02/12/77	80	486 4558N	11435W	22.6	142.7	FGG3		44	28		
2752-17322	00000/0000 2-10027/0547	02/12/77	50	486 4433N	11509W	23.5	141.9	FGGG		44	29		
2752-17324	00000/0000 2-10027/0548	02/12/77	50	486 4308N	11542W	24.5	141.1	GGGR		44	30		
2752-17331	00000/0000 2-10027/0549	02/12/77	50	486 4142N	11613W	25.4	140.3	GGGR		44	31		
2752-17333	00000/0000 2-10027/0550	02/12/77	10	486 4016N	11642W	26.3	139.5	FG		44	32		
2752-17340	00000/0000 2-10027/0551	02/12/77	10	486 3850N	11711W	27.1	138.7	GGG3		44	33		
2752-17342	00000/0000 2-10027/0552	02/12/77	0	486 3724N	11739W	28.0	137.8	FGG3		44	34		
2752-17345	00000/0000 2-10027/0553	02/12/77	10	486 3559N	11806W	28.9	137.0	FGGG		44	35		
2752-17351	00000/0000 2-10027/0554	02/12/77	0	486 3434N	11832W	29.7	136.1	FGGG		44	36		
2752-17354	00000/0000 2-10027/0555	02/12/77	0	486 3308N	11858W	30.6	135.3	GGGF		44	37		
2753-14104	00000/0000 2-10027/0575	02/13/77	10	499 4723N	06346W	21.9	143.4	GGGG		9	27		
2753-15533	00000/0000 2-10027/0576	02/13/77	10	499 4647N	08902W	21.0	144.2	GGGG		27	26		
2753-15535	00000/0000 2-10027/0577	02/13/77	30	499 4722N	08939W	22.0	143.4	GGGG		27	27		
2753-15542	00000/0000 2-10027/0578	02/13/77	90	499 4557N	09013W	22.9	142.6	GGGG		27	28		
2753-15544	00000/0000 2-10027/0579	02/13/77	90	499 4432N	09047W	23.8	141.8	GGGG		27	29		

KEYS: CLOUD COVER 0 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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0BSERVATION ID	MICROFILM ROLL #&/ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL	MSS	MSS	ORBIT	FRAME ROW
	RBV	MSS		LAT	LONG		RBV	MSS	DATA IMAGE	PATH NUMBER	NUMBER
							123	45678	GAIN		
2753-15551	00000/0000 2-10027/0580	02/13/77	90	499 4307N	09119W	24.7	141.0	GGGG		27	30
2753-15553	00000/0000 2-10027/0581	02/13/77	20	499 4142N	09149W	25.6	140.1	GGGG		27	31
2753-15560	00000/0000 2-10027/0582	02/13/77	10	499 4016N	09219W	26.5	139.3	GGGG		27	32
2753-15562	00000/0000 2-10027/0583	02/13/77	0	499 3851N	09248W	27.4	138.5	GGGG		27	33
2753-15563	00000/0000 2-10027/0584	02/13/77	0	499 3725N	09316W	28.3	137.6	GGGG		27	34
2753-15571	00000/0000 2-10027/0585	02/13/77	0	499 3559N	09344W	29.1	136.8	GGGG		27	35
2753-15574	00000/0000 2-10027/0586	02/13/77	0	499 3433N	09411W	30.0	135.9	GGGG		27	36
2753-15580	00000/0000 2-10027/0587	02/13/77	0	499 3307N	09436W	30.8	135.0	GFGG		27	37
2753-15583	00000/0000 2-10027/0588	02/13/77	0	499 3141N	09501W	31.6	134.1	GGGG		27	38
2753-15585	00000/0000 2-10027/0511	02/13/77	0	499 3015N	09526W	32.4	133.2	GGGG		27	39
2753-15592	00000/0000 2-10027/0512	02/13/77	10	499 2850N	09550W	33.2	132.3	GGGG		27	40
2753-15594	00000/0000 2-10027/0513	02/13/77	40	499 2724N	09614W	34.0	131.3	GGGG		27	41
2753-16001	00000/0000 2-10027/0514	02/13/77	90	499 2557N	09636W	34.7	130.3	GGGG		27	42
2753-16003	00000/0000 2-10027/0515	02/13/77	100	499 2431N	09659W	35.4	129.3	GGGG		27	43
2753-17364	00000/0000 2-10027/0597	02/13/77	10	500 4848N	11448W	21.0	144.2	FGGG		45	26
2753-17371	00000/0000 2-10027/0598	02/13/77	30	500 4722N	11525W	22.0	143.4	GGGG		45	27
2753-17373	00000/0000 2-10027/0599	02/13/77	10	500 4557N	11600W	22.9	142.6	GGGG		45	28
2753-17380	00000/0000 2-10027/0600	02/13/77	10	500 4432N	11634W	23.8	141.8	GGGG		45	29
2753-17382	00000/0000 2-10027/0601	02/13/77	10	500 4307N	11707W	24.8	140.9	GGGG		45	30
2753-17385	00000/0000 2-10027/0602	02/13/77	10	500 4141N	11738W	25.7	140.1	GGGG		45	31
2753-17391	00000/0000 2-10027/0603	02/13/77	10	500 4016N	11808W	26.6	139.3	GGGG		45	32
2753-17394	00000/0000 2-10027/0604	02/13/77	0	500 3851N	11836W	27.4	138.5	GGGG		45	33
2753-17400	00000/0000 2-10027/0605	02/13/77	10	500 3725N	11905W	28.3	137.6	GGGG		45	34
2753-17403	00000/0000 2-10027/0606	02/13/77	10	500 3559N	11932W	29.2	136.8	GGGG		45	35
2753-17405	00000/0000 2-10027/0607	02/13/77	10	500 3433N	11958W	30.0	135.9	RGGR		45	36
2754-14162	00000/0000 2-10027/0498	02/14/77	90	512 4721N	06514W	22.3	143.2	GGGG		10	27
2754-14164	00000/0000 2-10027/0499	02/14/77	90	512 4557N	06548W	23.2	142.4	GGGG		10	28
2754-14171	00000/0000 2-10027/0500	02/14/77	40	512 4432N	06621W	24.1	141.6	GGGG		10	29
2754-14173	00000/0000 2-10027/0501	02/14/77	60	512 4307N	06654W	25.0	140.8	GGGG		10	30
2754-15593	00000/0000 2-10027/0502	02/14/77	60	513 4722N	09103W	22.3	143.2	GGGG		28	27
2754-16000	00000/0000 2-10027/0503	02/14/77	70	513 4557N	09138W	23.2	142.4	GFGG		28	28
2754-16002	00000/0000 2-10027/0504	02/14/77	80	513 4432N	09211W	24.1	141.6	GFGG		28	29
2754-16003	00000/0000 2-10027/0505	02/14/77	60	513 4308N	09244W	25.0	140.8	RGPG		28	30
2754-16011	00000/0000 2-10027/0495	02/14/77	10	513 4142N	09315W	25.9	140.0	G GR		28	31
2754-16014	00000/0000 2-10027/0506	02/14/77	60	513 4016N	09345W	26.8	139.1	GGGG		28	32
2754-16020	00000/0000 2-10027/0507	02/14/77	50	513 3850N	09414W	27.7	138.3	GGGG		28	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICRYFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLoud ORBIT COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL			MSS MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
							RAV	MSS	1 LAT				
2754-16023	00000/0000	2-10027/0496	02/14/77	70 513	3724N	09442W	28.6	137.4	G	PF		28	34
2754-16025	00000/0000	2-10027/0497	02/14/77	90 513	3559N	09508W	29.4	136.6	G	GG		28	35
2754-16032	00000/0000	2-10027/0508	02/14/77	50 513	3433N	09534W	30.3	135.7	GGGG			28	36
2754-16034	00000/0000	2-10027/0509	02/14/77	10 513	3307N	09600W	31.1	134.8	GFFG			28	37
2754-16041	00000/0000	2-10027/0510	02/14/77	10 513	3142N	09626W	31.9	133.9	GGGG			28	38
2754-16043	00000/0000	2-10027/0636	02/14/77	0 513	3016N	09651W	32.7	132.9	GGGG			28	39
2754-16050	00000/0000	2-10027/0637	02/14/77	0 513	2850N	09715W	33.5	132.0	GGGG			28	40
2754-16052	00000/0000	2-10027/0638	02/14/77	0 513	2724N	09738W	34.2	131.0	GFFG			28	41
2754-16059	00000/0000	2-10027/0639	02/14/77	0 513	2558N	09802W	35.0	130.0	GGFG			28	42
2754-17422	00000/0000	2-10027/0654	02/14/77	10 514	4847N	11617W	21.4	144.0	GGGG			46	26
2754-17425	00000/0000	2-10027/0655	02/14/77	10 514	4722N	11653W	22.3	143.2	GGGG			46	27
2754-17431	00000/0000	2-10027/0656	02/14/77	10 514	4557N	11728W	23.2	142.4	GGGG			46	28
2754-17434	00000/0000	2-10027/0657	02/14/77	0 514	4432N	11802W	24.2	141.6	GGGG			46	29
2754-17440	00000/0000	2-10027/0658	02/14/77	0 514	4306N	11833W	25.1	140.8	GGGG			46	30
2754-17443	00000/0000	2-10027/0659	02/14/77	0 514	4141N	11904W	26.0	139.9	GGGG			46	31
2754-17445	00000/0000	2-10027/0660	02/14/77	0 514	4016N	11934W	26.9	139.1	GGGG			46	32
2754-17452	00000/0000	2-10027/0661	02/14/77	0 514	3850N	12003W	27.7	138.3	GGGG			46	33
2754-17454	00000/0000	2-10027/0662	02/14/77	10 514	3725N	12031W	28.6	137.4	GGGG			46	34
2754-17461	00000/0000	2-10027/0663	02/14/77	10 514	3559N	12059W	29.4	136.5	GGGG			46	35
2754-17463	00000/0000	2-10027/0664	02/14/77	40 514	3433N	12125W	30.3	135.7	GGGG			46	36
2755-14220	00000/0000	2-10027/0688	02/15/77	70 526	4721N	06639W	22.6	143.1	GGGG			11	27
2755-14222	00000/0000	2-10027/0689	02/15/77	10 526	4557N	06714W	23.5	142.3	GGGG			11	28
2755-14225	00000/0000	2-10027/0690	02/15/77	50 526	4432N	06748W	24.4	141.4	GGGG			11	29
2755-14231	00000/0000	2-10027/0691	02/15/77	90 526	4307N	06820W	25.3	140.6	GGGG			11	30
2755-14234	00000/0000	2-10027/0692	02/15/77	90 526	4141N	06851W	26.2	139.8	GGGG			11	31
2755-14240	00000/0000	2-10027/0693	02/15/77	50 526	4015N	06921W	27.1	138.9	GGGG			11	32
2755-16045	00000/0000	2-10027/0694	02/15/77	10 527	4846N	09154W	21.7	143.9	FGGG			29	26
2755-16052	00000/0000	2-10027/0695	02/15/77	10 527	4721N	09230W	22.6	143.1	GGGG			29	27
2755-16054	00000/0000	2-10027/0696	02/15/77	0 527	4556N	09305W	23.5	142.2	GGGG			29	28
2755-16061	00000/0000	2-10027/0697	02/15/77	0 527	4431N	09338W	24.4	141.4	GGGG			29	29
2755-16063	00000/0000	2-10027/0698	02/15/77	0 527	4306N	09410W	25.3	140.6	GGGG			29	30
2755-16070	00000/0000	2-10027/0699	02/15/77	0 527	4141N	09441W	26.2	139.8	GGGG			29	31
2755-16072	00000/0000	2-10027/0700	02/15/77	10 527	4015N	09511W	27.1	138.9	GGGG			29	32
2755-16075	00000/0000	2-10027/0701	02/15/77	10 527	3850N	09540W	28.0	138.1	GGGG			29	33
2755-16081	00000/0000	2-10027/0702	02/15/77	20 527	3724N	09607W	28.9	137.2	GGGG			29	34
2755-16084	00000/0000	2-10027/0670	02/15/77	40 527	3559N	09635W	29.7	136.3	GGGG			29	35

KEYS:
 C = CLOUD COVER X =
 IMAGE QUALITY
 MSS DATA MODE
 MSS IMAGE GAIN
 BLANKS = BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 (BLANK)=COMPRESSED, L=LINEAR
 (BLANK)=LOW GAIN, H=HIGH GAIN

18:22 MAR 30, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

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OBSERVATION ID	MICRIFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL			MSS IMAGE	MSS GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
								RRV	MSS	123				
2755-16090	00000/0000 2-10027/0671	02/15/77	10	527	3433N	09701W	30.5	135.4	GGGG		29	36		
2755-16093	00000/0000 2-10027/0672	02/15/77	10	527	3306N	09727W	31.4	134.5	GGGG		29	37		
2755-16095	00000/0000 2-10027/0673	02/15/77	50	527	3140N	09752W	32.2	133.6	GGGG		29	38		
2755-16102	00000/0000 2-10027/0674	02/15/77	90	527	3015N	09817W	33.0	132.7	GGGG		29	39		
2755-16104	00000/0000 2-10027/0675	02/15/77	90	527	2849N	09841W	33.7	131.7	GGGG		29	40		
2755-16111	00000/0000 2-10027/0676	02/15/77	100	527	2723N	09905W	34.5	130.7	GGGG		29	41		
2755-16113	00000/0000 2-10027/0677	02/15/77	90	527	2557N	09929W	35.2	129.7	GGGG		29	42		
2755-17481	00000/0000 2-10027/0678	02/15/77	50	528	4846N	11745W	21.7	143.9	GGGG		47	26		
2755-17483	00000/0000 2-10027/0679	02/15/77	30	528	4721N	11821W	22.6	143.1	GGGG		47	27		
2755-17490	00000/0000 2-10027/0680	02/15/77	20	528	4556N	11855W	23.5	142.2	GGGG		47	28		
2755-17492	00000/0000 2-10027/0681	02/15/77	60	528	4431N	11929W	24.5	141.4	GGGG		47	29		
2755-17495	00000/0000 2-10027/0682	02/15/77	60	528	4306N	12001W	25.4	140.6	FGGG		47	30		
2755-17501	00000/0000 2-10027/0683	02/15/77	70	528	4141N	12032W	26.3	139.7	FFGG		47	31		
2755-17504	00000/0000 2-10027/0684	02/15/77	60	528	4015N	12102W	27.2	138.9	GGGG		47	32		
2755-17510	00000/0000 2-10027/0685	02/15/77	10	528	3849N	12130W	28.0	138.1	GGGG		47	33		
2755-17513	00000/0000 2-10027/0686	02/15/77	10	528	3723N	12158W	28.9	137.2	GGGG		47	34		
2755-17515	00000/0000 2-10027/0687	02/15/77	60	528	3558N	12225W	29.7	136.3	GGGG		47	35		
2756-14274	00000/0000 2-10027/0703	02/16/77	30	540	4721N	06808W	22.9	142.9	GGGG		12	27		
2756-14281	00000/0000 2-10027/0704	02/16/77	50	540	4556N	06842W	23.8	142.1	GGGG		12	28		
2756-14283	00000/0000 2-10027/0705	02/16/77	10	540	4431N	06915W	24.7	141.3	GGGG		12	29		
2756-14290	00000/0000 2-10027/0706	02/16/77	40	540	4306N	06947W	25.6	140.4	FGGG		12	30		
2756-14292	00000/0000 2-10027/0707	02/16/77	40	540	4140N	07018W	26.5	139.6	GGGG		12	31		
2756-14295	00000/0000 2-10027/0708	02/16/77	90	540	4015N	07048W	27.4	138.7	G3 G		12	32		
2756-14301	00000/0000 2-10027/0709	02/16/77	100	540	3849N	07117W	28.3	137.9	GGGG		12	33		
2756-14304	00000/0000 2-10027/0710	02/16/77	100	540	3724N	07145W	29.1	137.0	GGGG		12	34		
2756-14310	00000/0000 2-10027/0711	02/16/77	100	540	3558N	07212W	30.0	136.1	GGGG		12	35		
2756-16103	00000/0000 2-10027/0724	02/16/77	50	541	4846N	09321W	22.0	143.8	GGGG		30	26		
2756-16110	00000/0000 2-10027/0725	02/16/77	50	541	4721N	09357W	22.9	142.9	FGGG		30	27		
2756-16112	00000/0000 2-10027/0726	02/16/77	70	541	4556N	09432W	23.8	142.1	GGGG		30	28		
2756-16115	00000/0000 2-10027/0727	02/16/77	90	541	4431N	09505W	24.8	141.2	GGGG		30	29		
2756-16121	00000/0000 2-10027/0728	02/16/77	90	541	4306N	09537W	25.7	140.4	GGGG		30	30		
2756-16124	00000/0000 2-10027/0729	02/16/77	90	541	4140N	09608W	26.5	139.6	FGGG		30	31		
2756-16130	00000/0000 2-10027/0730	02/16/77	80	541	4014N	09638W	27.4	138.7	GGGG		30	32		
2756-16133	00000/0000 2-10027/0731	02/16/77	70	541	3848N	09706W	28.3	137.9	GGGG		30	33		
2756-16135	00000/0000 2-10027/0732	02/16/77	60	541	3723N	09734W	29.2	137.0	GGGG		30	34		
2756-16142	00000/0000 2-10027/0733	02/16/77	90	541	3557N	09801W	30.0	136.1	GGGG		30	35		

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR CONTIGUOUS US
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OBSERVATION ID	MICR9FILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL			MSS 123	MSS 45678	DATA MODE	IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
								RBV	MSS	1 AT						
2756-16144	00000/0000 2-10027/0734	02/16/77	70	541	3432N	09827W	30.8	135.2	GGGG		30	36				
2756-16151	00000/0000 2-10027/0735	02/16/77	60	541	3306N	09852W	31.6	134.3	GGGG		30	37				
2756-16153	00000/0000 2-10027/0736	02/16/77	10	541	3140N	09918W	32.4	133.4	FGGG		30	38				
2756-16160	00000/0000 2-10027/0737	02/16/77	0	541	3014N	09943W	33.2	132.4	FGGG		30	39				
2756-16162	00000/0000 2-10027/0738	02/16/77	0	541	2848N	10007W	34.0	131.4	GGG		30	40				
2756-16165	00000/0000 2-10027/0739	02/16/77	0	541	2722N	10031W	34.7	130.4	FGGG		30	41				
2756-16171	00000/0000 2-10027/0740	02/16/77	10	541	2556N	10054W	35.5	129.4	PGGG		30	42				
2756-17532	00000/0000 2-10027/0741	02/16/77	90	542	5010N	11831W	21.1	144.6	GGGG		48	25				
2756-17535	00000/0000 2-10027/0742	02/16/77	10	542	4846N	11910W	22.0	143.7	GGGG		48	26				
2756-17541	00000/0000 2-10027/0743	02/16/77	20	542	4721N	11947W	22.9	142.9	GGGG		48	27				
2756-17544	00000/0000 2-10027/0744	02/16/77	20	542	4556N	12023W	23.9	142.1	GGGG		48	28				
2756-17550	00000/0000 2-10027/0745	02/16/77	40	542	4431N	12056W	24.8	141.2	GGGG		48	29				
2756-17553	00000/0000 2-10027/0746	02/16/77	30	542	4305N	12128W	25.7	140.4	GGGG		48	30				
2756-17555	00000/0000 2-10027/0747	02/16/77	20	542	4139N	12159W	26.6	139.6	GGGG		48	31				
2756-17562	00000/0000 2-10027/0748	02/16/77	10	542	4014N	12228W	27.5	138.7	GGGG		48	32				
2756-17564	00000/0000 2-10027/0749	02/16/77	30	542	3849N	12257W	28.4	137.8	GGGG		48	33				
2756-17571	00000/0000 2-10027/0750	02/16/77	70	542	3723N	12325W	29.2	137.0	GGGG		48	34				
2757-14332	00000/0000 2-10027/0712	02/17/77	60	554	4720N	06933W	23.2	142.8	GGGG		13	27				
2757-14335	00000/0000 2-10027/0713	02/17/77	40	554	4555N	07008W	24.1	141.9	GGGG		13	28				
2757-14341	00000/0000 2-10027/0714	02/17/77	10	554	4430N	07042W	25.1	141.1	GGGG		13	29				
2757-14344	00000/0000 2-10027/0715	02/17/77	10	554	4305N	07114W	26.0	140.2	GGGG		13	30				
2757-14350	00000/0000 2-10027/0716	02/17/77	10	554	4140N	07144W	26.8	139.4	GGGG		13	31				
2757-14353	00000/0000 2-10027/0717	02/17/77	70	554	4015N	07214W	27.7	138.5	GGGG		13	32				
2757-14355	00000/0000 2-10027/0718	02/17/77	80	554	3849N	07243W	28.6	137.7	GGGG		13	33				
2757-14362	00000/0000 2-10027/0719	02/17/77	90	554	3723N	07311W	29.4	136.8	GGGG		13	34				
2757-14364	00000/0000 2-10027/0720	02/17/77	80	554	3588N	07338W	30.3	135.9	GGGG		13	35				
2757-14371	00000/0000 2-10027/0721	02/17/77	80	554	3432N	07405W	31.1	135.0	GGGG		13	36				
2757-14373	00000/0000 2-10027/0722	02/17/77	90	554	3306N	07431W	31.9	134.1	GGGG		13	37				
2757-14380	00000/0000 2-10027/0723	02/17/77	90	554	3140N	07457W	32.7	133.1	GGGG		13	38				
2757-16164	00000/0000 2-10027/0866	02/17/77	50	555	4720N	09526W	23.2	142.8	GGGG		31	27				
2757-16170	00000/0000 2-10027/0867	02/17/77	90	555	4555N	09601W	24.2	141.9	GGGG		31	28				
2757-16173	00000/0000 2-10027/0865	02/17/77	10	555	4430N	09634W	25.1	141.1	GGGG		31	29				
2757-16175	00000/0000 2-10027/0868	02/17/77	10	555	4305N	09706W	26.0	140.2	GGGG		31	30				
2757-16182	00000/0000 2-10027/0869	02/17/77	0	555	4140N	09737W	26.9	139.4	GGGG		31	31				
2757-16184	00000/0000 2-10027/0870	02/17/77	10	555	4014N	09807W	27.7	138.5	GGGG		31	32				
2757-16191	00000/0000 2-10027/0871	02/17/77	10	555	3849N	09835W	28.6	137.6	GGGG		31	33				

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18:22 MAR 30, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0058

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD %	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE	SUN LAT	SUN LONG	ELEV. AZIM.	IMAGE-QUAL			MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
									RBV	MSS	123				
2757-16193	00000/0000 2-10027/0872	02/17/77	10	555	3723N	09903W	29.5	136.8	GGGG				31	34	
2757-16200	00000/0000 2-10027/0873	02/17/77	0	555	3557N	09930W	30.3	135.9	GGGG				31	35	
2757-16202	00000/0000 2-10027/0874	02/17/77	10	555	3431N	09956W	31.1	135.0	GGGG				31	36	
2757-16205	00000/0000 2-10027/0875	02/17/77	0	555	3305N	10022W	31.9	134.0	GGGG				31	37	
2757-16211	00000/0000 2-10027/0876	02/17/77	10	555	3139N	10047W	32.7	133.1	GGGG				31	38	
2757-16214	00000/0000 2-10027/0877	02/17/77	0	555	3013N	10111W	33.5	132.1	GGGG				31	39	
2757-16220	00000/0000 2-10027/0878	02/17/77	0	555	2847N	10135W	34.3	131.1	GGGG				31	40	
2757-16223	00000/0000 2-10027/0879	02/17/77	0	555	2721N	10158W	35.0	130.1	GGGG				31	41	
2757-17593	00000/0000 2-10027/0779	02/17/77	70	556	4845N	12036W	22.3	143.6	GGGG				49	26	
2757-18000	00000/0000 2-10027/0780	02/17/77	50	556	4720N	12113W	23.3	142.7	GGGG				49	27	
2757-18002	00000/0000 2-10027/0781	02/17/77	40	556	4555N	12148W	24.2	141.9	GGGG				49	28	
2757-18005	00000/0000 2-10027/0782	02/17/77	20	556	4430N	12221W	25.1	141.1	GGGG				49	29	
2757-18011	00000/0000 2-10027/0783	02/17/77	10	556	4305N	12253W	26.0	140.2	GGGG				49	30	
2757-18014	00000/0000 2-10027/0784	02/17/77	10	556	4140N	12324W	26.9	139.4	GGGG				49	31	
2757-18020	00000/0000 2-10027/0785	02/17/77	30	556	4014N	12354W	27.8	138.5	GGGG				49	32	
2757-18023	00000/0000 2-10027/0786	02/17/77	40	556	3848N	12423W	28.6	137.6	GGGG				49	33	
2757-18025	00000/0000 2-10027/0787	02/17/77	40	556	3723N	12451W	29.5	136.7	GGGG				49	34	
2758-14391	00000/0000 2-10027/0794	02/18/77	30	568	4720N	07102W	23.6	142.6	GGGG				14	27	
2758-14393	00000/0000 2-10027/0795	02/18/77	40	568	4555N	07136W	24.5	141.8	GGGG				14	28	
2758-14400	00000/0000 2-10027/0796	02/18/77	10	568	4430N	07210W	25.4	140.9	GGGG				14	29	
2758-14402	00000/0000 2-10027/0797	02/18/77	0	568	4314N	07242W	26.3	140.0	GGGG				14	30	
2758-14405	00000/0000 2-10027/0798	02/18/77	0	568	4138N	07313W	27.2	139.2	GGGG				14	31	
2758-14411	00000/0000 2-10027/0799	02/18/77	10	568	4013N	07343W	28.0	138.3	GGGG				14	32	
2758-14414	00000/0000 2-10027/0800	02/18/77	10	568	3848N	07411W	28.9	137.4	GGGG				14	33	
2758-14420	00000/0000 2-10027/0801	02/18/77	10	568	3722N	07439W	29.7	136.6	GGGG				14	34	
2758-14423	00000/0000 2-10027/0802	02/18/77	10	568	3557N	07507W	30.6	135.6	GGGG				14	35	
2758-14425	00000/0000 2-10027/0803	02/18/77	10	568	3431N	07533W	31.4	134.7	GGGG				14	36	
2758-14432	00000/0000 2-10027/0804	02/18/77	10	568	3305N	07559W	32.2	133.8	GGGG				14	37	
2758-14434	00000/0000 2-10027/0805	02/18/77	10	568	3139N	07624W	33.0	132.8	GGGG				14	38	
2758-14441	00000/0000 2-10027/0806	02/18/77	40	568	3014N	07648W	33.8	131.9	GGGG				14	39	
2758-14443	00000/0000 2-10027/0808	02/18/77	50	568	2848N	07712W	34.5	130.9	GG	H			14	40	
2758-14450	00000/0000 2-10027/0807	02/18/77	80	568	2722N	07737W	35.2	129.9	GGGG	H			14	41	
2758-16222	00000/0000 2-10027/0820	02/18/77	30	569	4720N	09651W	23.6	142.6	GGGG				32	27	
2758-16223	00000/0000 2-10027/0821	02/18/77	50	569	4555N	09726W	24.5	141.7	GGGG				32	28	
2758-16231	00000/0000 2-10027/0822	02/18/77	70	569	4430N	09759W	25.4	140.9	GGGG				32	29	
2758-16234	00000/0000 2-10027/0823	02/18/77	90	569	4305N	09831W	26.3	140.0	GGGG				32	30	

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

18:22 MAR 30, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0059

OBSERVATION ID	MICRFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL			ORBIT PATH	FRAME ROW NUMBER
							RBV	MSS	1AT		
2758-16240	00000/0000 2-10027/0824	02/18/77	10	569 4139N	09902W	27.2	139.2	GGGG		32	31
2758-16243	00000/0000 2-10027/0825	02/18/77	20	569 4013N	09932W	28.1	138.3	GGGG		32	32
2758-16245	00000/0000 2-10027/0826	02/18/77	20	569 3848N	10000W	28.9	137.4	GGGG		32	33
2758-16252	00000/0000 2-10027/0827	02/18/77	30	569 3722N	10028W	29.8	136.5	GGGG		32	34
2758-16254	00000/0000 2-10027/0828	02/18/77	90	569 3556N	10055W	30.6	135.6	GGG		32	35
2758-16261	00000/0000 2-10027/0829	02/18/77	10	569 3430N	10121W	31.4	134.7	GGGG		32	36
2758-16263	00000/0000 2-10027/0830	02/18/77	10	569 3304N	10147W	32.2	133.8	GGGG		32	37
2758-16270	00000/0000 2-10027/0831	02/18/77	0	569 3139N	10212W	33.0	132.8	FGGF		32	38
2758-16272	00000/0000 2-10027/0832	02/18/77	10	569 3013N	10237W	33.8	131.8	FGPG		32	39
2758-16275	00000/0000 2-10027/0833	02/18/77	0	569 2848N	10301W	34.5	130.9	FGGG		32	40
2758-16281	00000/0000 2-10027/0834	02/18/77	0	569 2721N	10325W	35.3	129.8	GGGF		32	41
2758-18054	00000/0000 2-10027/0788	02/18/77	10	570 4720N	12238W	23.6	142.6	GGGG		50	27
2758-18060	00000/0000 2-10027/0789	02/18/77	10	570 4555N	12313W	24.5	141.7	GGGG		50	28
2758-18063	00000/0000 2-10027/0790	02/18/77	10	570 4429N	12347W	25.4	140.9	GGGG		50	29
2758-18069	00000/0000 2-10027/0791	02/18/77	10	570 4304N	12419W	26.3	140.0	GGGG		50	30
2758-18072	00000/0000 2-10027/0792	02/18/77	10	570 4138N	12450W	27.2	139.2	GGGG		50	31
2758-18074	00000/0000 2-10027/0793	02/18/77	50	570 4012N	12520W	28.1	138.3	GGGG		50	32
2759-14445	00000/0000 2-10027/0849	02/19/77	50	582 4719N	07227W	23.9	142.4	GGGG		15	27
2759-14451	00000/0000 2-10027/0850	02/19/77	70	582 4554N	07302W	24.8	141.6	GGG3		15	28
2759-14454	00000/0000 2-10027/0851	02/19/77	90	582 4429N	07335W	25.7	140.7	GGGG		15	29
2759-14460	00000/0000 2-10027/0852	02/19/77	90	582 4304N	07407W	26.6	139.9	GGGG		15	30
2759-14463	00000/0000 2-10027/0853	02/19/77	90	582 4138N	07438W	27.5	139.0	GGGG		15	31
2759-14465	00000/0000 2-10027/0854	02/19/77	90	582 4013N	07508W	28.4	138.1	GGGG		15	32
2759-14472	00000/0000 2-10027/0855	02/19/77	90	582 3847N	07536W	29.2	137.2	GGGG		15	33
2759-14474	00000/0000 2-10027/0856	02/19/77	80	582 3722N	07604W	30.1	136.3	FFFF		15	34
2759-14481	00000/0000 2-10027/0857	02/19/77	70	582 3556N	07631W	30.9	135.4	GGGG		15	35
2759-14483	00000/0000 2-10027/0858	02/19/77	60	582 3430N	07657W	31.7	134.5	GGGG		15	36
2759-14490	00000/0000 2-10027/0859	02/19/77	40	582 3305N	07723W	32.5	133.5	GGGG		15	37
2759-14492	00000/0000 2-10027/0860	02/19/77	40	582 3139N	07748W	33.3	132.6	GGGG		15	38
2759-14495	00000/0000 2-10027/0861	02/19/77	30	582 3013N	07813W	34.0	131.6	GGGG		15	39
2759-14501	00000/0000 2-10027/0864	02/19/77	50	582 2847N	07837W	34.8	130.6	GG		15	40
2759-14504	00000/0000 2-10027/0862	02/19/77	50	582 2721N	07901W	35.5	129.6	GGGG		15	41
2759-14510	00000/0000 2-10027/0863	02/19/77	60	582 2555N	07924W	36.2	128.5	GGGG		15	42
2759-16283	00000/0000 2-10027/0835	02/19/77	50	583 4556N	09850W	24.8	141.6	GGGG		33	28
2759-16285	00000/0000 2-10027/0836	02/19/77	30	583 4432N	09924W	25.7	140.7	GGGG		33	29
2759-16292	00000/0000 2-10027/0837	02/19/77	10	583 4307N	09956W	26.6	139.9	GGGG		33	30

KEYS:
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 MSS DATA MODE..... (BLANK)=COMPRESSED, _=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18:22 MAR 30, 1977

LANDSAT-2
 OBSERVATION ID LISTING
 FOR CONUS/US
 FROM 02/01/77 TO 02/28/77

PAGE 0060

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD 8-BIT COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA	MSS IMAGE	ORBIT PATH	FRAME ROW NUMBER	
							RBV	YSS	LAT	LONG	123	45678	MODE
2759-16294	00000/0000 2-10027/0838	02/19/77	10	583 4141N	10027W	27.5	139.0			GGGG		33	31
2759-16301	00000/0000 2-10027/0839	02/19/77	0	583 4015N	10057W	28.3	138.1			GGGG		33	32
2759-16303	00000/0000 2-10027/0840	02/19/77	10	583 3850N	10125W	29.2	137.2			GGGG		33	33
2759-16310	00000/0000 2-10027/0841	02/19/77	10	583 3725N	10153W	30.0	136.3			GGGG		33	34
2759-16312	00000/0000 2-10027/0842	02/19/77	0	583 3559N	10221W	30.9	135.4			GGGG		33	35
2759-16315	00000/0000 2-10027/0843	02/19/77	0	583 3434N	10247W	31.7	134.5			GGGG		33	36
2759-16321	00000/0000 2-10027/0844	02/19/77	0	583 3308N	10313W	32.5	133.6			FGGG		33	37
2759-16324	00000/0000 2-10027/0845	02/19/77	10	583 3142N	10338W	33.3	132.6			GGGG		33	38
2759-16330	00000/0000 2-10027/0846	02/19/77	0	583 3016N	10403W	34.0	131.6			GGGG		33	39
2759-16333	00000/0000 2-10027/0847	02/19/77	0	583 2850N	10427W	34.8	130.6			GGGG		33	40
2759-16335	00000/0000 2-10027/0848	02/19/77	0	583 2724N	10450W	35.5	129.6			GGGG		33	41
2759-18112	00000/0000 2-10027/0880	02/19/77	60	584 4722N	12402W	23.9	142.4			FGGG		51	27
2759-18114	00000/0000 2-10027/0881	02/19/77	80	584 4556N	12437W	24.8	141.6			GGGG		51	28
2759-18121	00000/0000 2-10027/0882	02/19/77	90	584 4431N	12510W	25.7	140.7			GGGG		51	29
2759-18123	00000/0000 2-10027/0883	02/19/77	70	584 4306N	12543W	26.6	139.9			GGGG		51	30
2760-14512	00000/0000 2-10027/0899	02/20/77	80	596 4431N	07500W	26.0	140.6			GGGG		16	29
2760-14514	00000/0000 2-10027/0900	02/20/77	90	596 4305N	07532W	26.9	139.7			GGGG		16	30
2760-14521	00000/0000 2-10027/0901	02/20/77	100	596 4140N	07603W	27.8	138.8			GGGG		16	31
2760-14523	00000/0000 2-10027/0902	02/20/77	100	596 4015N	07633W	28.6	137.9			GGGG		16	32
2760-14530	00000/0000 2-10027/0903	02/20/77	70	596 3849N	07702W	29.5	137.0			GGG		16	33
2760-14532	00000/0000 2-10027/0904	02/20/77	40	596 3724N	07730W	30.4	136.1			GGGG		16	34
2760-14535	00000/0000 2-10027/0905	02/20/77	10	596 3558N	07757W	31.2	135.2			GGG		16	35
2760-14541	00000/0000 2-10027/0906	02/20/77	10	596 3432N	07824W	32.0	134.3			GG G		16	36
2760-14544	00000/0000 2-10027/0898	02/20/77	10	596 3307N	07850W	32.8	133.3			G FG		16	37
2760-14550	00000/0000 2-10027/0907	02/20/77	40	596 3141N	07915W	33.5	132.3			GGGG		16	38
2760-14553	00000/0000 2-10027/0908	02/20/77	80	596 3015N	07940W	34.3	131.3			GGGG		16	39
2760-14555	00000/0000 2-10027/0909	02/20/77	40	596 2849N	08004W	35.0	130.3			GGGG		16	40
2760-14562	00000/0000 2-10027/0910	02/20/77	10	596 2723N	08028W	35.8	129.3			GGGG		16	41
2760-14564	00000/0000 2-10027/0911	02/20/77	10	596 2557N	08051W	36.5	128.2			GGGG		16	42
2760-14571	00000/0000 2-10027/0912	02/20/77	30	596 2431N	08114W	37.1	127.1			FGGG		16	43
2760-16332	00000/0000 2-10027/0884	02/20/77	10	597 4846N	09905W	23.3	143.2			GGGG		34	26
2760-16334	00000/0000 2-10027/0885	02/20/77	10	597 4721N	09941W	24.2	142.3			GGGG		34	27
2760-16341	00000/0000 2-10027/0886	02/20/77	0	597 4556N	10016W	25.1	141.4			GGGG		34	28
2760-16343	00000/0000 2-10027/0887	02/20/77	0	597 4431N	10049W	26.0	140.6			GGGG		34	29
2760-16350	00000/0000 2-10027/0888	02/20/77	0	597 4306N	10122W	26.9	139.7			GGGG		34	30
2760-16352	00000/0000 2-10027/0889	02/20/77	0	597 4140N	10153W	27.8	138.8			GGGG		34	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

15:22 MAR 30, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0061

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL		MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
							RBV	MSS				
2760-16355	00000/0000 2-10027/0890	02/20/77	0	597 4015N	10222W	28.7	137.9	FFGG		34	32	
2760-16361	00000/0000 2-10027/0891	02/20/77	0	597 3850N	10251W	29.5	137.0	GGG3		34	33	
2760-16364	00000/0000 2-10027/0892	02/20/77	10	597 3724N	10320W	30.4	136.1	FFGG		34	34	
2760-16370	00000/0000 2-10027/0893	02/20/77	20	597 3558N	10346W	31.2	135.2	FFGG		34	35	
2760-16373	00000/0000 2-10027/0894	02/20/77	10	597 3432N	10412W	32.0	134.2	GGGR		34	36	
2760-16375	00000/0000 2-10027/0895	02/20/77	10	597 3306N	10438W	32.8	133.3	FGGG		34	37	
2760-16384	00000/0000 2-10027/0896	02/20/77	0	597 3014N	10528W	34.3	131.3	FGGG		34	39	
2760-16391	00000/0000 2-10027/0897	02/20/77	0	597 2848N	10552W	35.1	130.3	FGGG		34	40	
2761-16384	00000/0000 2-10027/0950	02/21/77	10	611 5009N	09953W	22.7	143.9	GGGG		35	25	
2761-16390	00000/0000 2-10027/0951	02/21/77	10	611 4844N	10032W	23.7	143.0	GGGG		35	26	
2761-16393	00000/0000 2-10027/0952	02/21/77	10	611 4718N	10108W	24.6	142.1	GGGG		35	27	
2761-16395	00000/0000 2-10027/0953	02/21/77	10	611 4553N	10143W	25.5	141.3	GGGG		35	28	
2761-16402	00000/0000 2-10027/0954	02/21/77	0	611 4429N	10216W	26.4	140.4	GGGG		35	29	
2761-16404	00000/0000 2-10027/0955	02/21/77	10	611 4304N	10248W	27.3	139.5	FGGG		35	30	
2761-1641	00000/0000 2-10027/0956	02/21/77	20	611 4138N	10319W	28.1	138.6	GGGG		35	31	
2761-1641	00000/0000 2-10027/0957	02/21/77	40	611 4013N	10350W	29.0	137.7	FGGR		35	32	
2761-16420	00000/0000 2-10027/0958	02/21/77	40	611 3848N	10418W	29.9	136.8	GGGG		35	33	
2761-16422	00000/0000 2-10027/0959	02/21/77	30	611 3722N	10447W	30.7	135.9	GGGG		35	34	
2761-16425	00000/0000 2-10027/0960	02/21/77	10	611 3546N	10514W	31.5	134.9	GGGG		35	35	
2761-16431	00000/0000 2-10027/0961	02/21/77	10	611 3430N	10540W	32.3	134.0	GGGG		35	36	
2761-16434	00000/0000 2-10027/0962	02/21/77	0	611 3304N	10605W	33.1	133.0	GF		35	37	
2761-16443	00000/0000 2-10027/0963	02/21/77	0	611 3013N	10655W	34.6	131.0	GG		35	39	
2762-15013	00000/0000 2-10027/0935	02/22/77	40	624 4842N	07611W	24.0	142.9	GGGG		18	26	
2762-15015	00000/0000 2-10027/0936	02/22/77	40	624 4717N	07647W	24.9	142.0	GGGG		18	27	
2762-15022	00000/0000 2-10027/0937	02/22/77	70	624 4553N	07722W	25.8	141.1	GGFG		18	28	
2762-15024	00000/0000 2-10027/0938	02/22/77	90	624 4428N	07755W	26.7	140.2	GGGG		18	29	
2762-15031	00000/0000 2-10027/0939	02/22/77	70	624 4302N	07827W	27.6	139.3	GGG3		18	30	
2762-15033	00000/0000 2-10027/0940	02/22/77	10	624 4137N	07857W	28.5	138.4	GGGR		18	31	
2762-15040	00000/0000 2-10027/0941	02/22/77	10	624 4012N	07927W	29.3	137.5	GGGG		18	32	
2762-15042	00000/0000 2-10027/0942	02/22/77	30	624 3847N	07956W	30.2	136.6	GGGG		18	33	
2762-15045	00000/0000 2-10027/0943	02/22/77	10	624 3721N	08023W	31.0	135.7	GGGG		18	34	
2762-15051	00000/0000 2-10027/0944	02/22/77	0	624 3555N	08050W	31.8	134.7	GGGG		18	35	
2762-15054	00000/0000 2-10027/0945	02/22/77	0	624 3429N	08117W	32.6	133.8	GGGG		18	36	
2762-15060	00000/0000 2-10027/0946	02/22/77	0	624 3303N	08143W	33.4	132.8	GGGG		18	37	
2762-15063	00000/0000 2-10027/0947	02/22/77	0	624 3138N	08208W	34.1	131.8	GGGP		18	38	
2762-15065	00000/0000 2-10027/0948	02/22/77	0	624 3013N	08233W	34.9	130.8	GGGG		18	39	

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0062

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
	RSV MSS			LAT LONG			RSV	MSS	DATA MODE	GAIN	
2762-15072	00000/0000 2-10027/0949	02/22/77	0	624 2846N	08257W	35.6	129.7	GFGG		18	40

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

0063

**LANDSAT 2
COORDINATE LISTING**

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LANDSAT-E
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

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PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY	ORBIT	FRAME	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY	ORBIT	FRAME		
LONG	LAT		RBV MSS	PATH	ROW	LONG	LAT		RBV MSS	PATH	ROW		
			12345678	NUMBER	NUMBER			12345678	NUMBER		NUMBER		
01346W	4723N	2753-14104	10	GGGG	9	27	07109W	4310N	2739-14352	10	GGGG	13	30
06514W	4721N	2754-14162	90	GGGG	10	27	07114W	4305N	2757-14344	10	GGGG	13	30
06548W	4557N	2754-14164	50	GGGG	10	28	07115W	3854N	2738-14305	90	G3GG	12	33
06621W	4432N	2754-14171	40	GGGG	10	29	07117W	3849N	2756-14301	100	GGGG	12	33
06636W	4726N	2737-14224	10	GGGG	11	27	07130W	4601N	2740-14401	40	GGFG	14	28
06639W	4721N	2755-14220	70	GGGG	11	27	07136W	4555N	2758-14393	40	GGGG	14	28
06654W	4307N	2754-14173	50	GGGG	10	30	07141W	4145N	2739-14354	20	GGGG	13	31
06711W	4601N	2737-14231	10	GGGG	11	28	07143W	3728N	2738-14312	90	GGGG	12	34
06714W	4557N	2755-14222	10	GGGG	11	28	07144W	4140N	2757-14350	10	G3GG	13	31
06745W	4435N	2737-14233	10	GGGG	11	29	07145W	3724N	2756-14304	100	GGGG	12	34
06748W	4432N	2755-14225	50	GGGG	11	29	07203W	4436N	2740-14404	40	GGFF	14	29
06804W	4726N	2735-14282	80	FFG	12	27	07210W	4430N	2758-14400	10	GGGG	14	29
06808W	4721N	2755-14274	30	GGGG	12	27	07211W	4019N	2739-14361	70	GGGG	13	32
06818W	4310N	2737-14240	20	GGGG	11	30	07211W	3601N	2738-14314	90	GGGG	12	35
06820W	4307N	2755-14231	90	GGGG	11	30	07212W	3558N	2756-14310	100	GGGG	12	35
06839W	4601N	2735-14285	20	GGG	12	28	07214W	4015N	2757-14353	70	G3GG	13	32
06842W	4556N	2756-14281	50	GGGG	12	28	07227W	4719N	2759-14445	50	GGGG	15	27
06849W	4145N	2737-14242	20	FFGF	11	31	07235W	4311N	2740-14410	30	GGFF	14	30
06851W	4141N	2755-14234	90	GGGG	11	31	07242W	4304N	2758-14402	0	GGGG	14	30
06913W	4436N	2738-14291	10	GGG	12	29	07243W	3849N	2757-14355	80	GGGG	13	33
06915W	4313N	2756-14283	10	GGGG	12	29	07302W	4554N	2759-14451	70	GGGG	15	28
06919W	4019N	2737-14245	20	FFGF	11	32	07306W	4145N	2740-14413	10	G3GG	14	31
06921W	4015N	2755-14240	50	GGGG	11	32	07311W	3723N	2757-14362	90	GGGG	13	34
06933W	4720N	2757-14332	60	GGGG	13	27	07313W	4138N	2758-14405	0	GGGG	14	31
06945W	4310N	2735-14294	30	FFG	12	30	07329W	4436N	2741-14462	70	FFGG	15	29
06947W	4306N	2756-14290	40	FFG	12	30	07335W	4429N	2759-14454	90	GGGG	15	29
07002W	4602N	2739-14343	30	GGGG	13	28	07336W	4020N	2740-14415	10	GGF	14	32
07008W	4555N	2757-14335	40	GGGG	13	28	07338W	3558N	2757-14364	80	G3GG	13	35
07016W	4145N	2738-14300	30	GGGG	12	31	07343W	4013N	2758-14411	10	GGGG	14	32
07018W	4140N	2756-14292	40	GGGG	12	31	07347W	4726N	2742-14511	0	G	16	27
07036W	4436N	2739-14345	20	GGGG	13	29	07401W	4310N	2741-14464	60	G3GG	15	30
07042W	4430N	2757-14341	10	GGGG	13	29	07405W	3854N	2740-14422	10	GGGF	14	33
07046W	4019N	2735-14303	90	GGGG	12	32	07405W	3432N	2757-14371	80	GGGG	13	36
07048W	4015N	2756-14295	90	GGG	12	32	07407W	4304N	2759-14460	90	G3GG	15	30
07055W	4726N	2740-14395	40	GGFG	14	27	07411W	3648N	2758-14414	10	GGGG	14	33
07102W	420N	2758-14391	30	GGGG	14	27	07422W	4600N	2742-14514	0	GGGG	16	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS = BAND NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

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COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0055

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT PATH	FRAME ROW	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT PATH	FRAME ROW		
LONG	LAT		12345678	NUMBER	NUMBER	LONG	LAT		12345678	NUMBER	NUMBER		
07431W	3306N	2757-14373	90	GGGG	13	37	07654W	3436N	2741-14491	0	GGFG	15	36
07432W	4145N	2741-14471	20	GGGG	15	31	07656W	4309N	2743-14581	70	GGGG	17	30
07434W	3728N	2740-14424	70	GGFG	14	34	07657W	3430N	2759-14483	60	GGGG	15	36
07438W	4138N	2759-14463	90	GGGG	15	31	07659W	3853N	2742-14534	0	GGGG	16	33
07439W	3722N	2758-14420	10	GGGG	14	34	07702W	3849N	2760-14530	70	GGG	16	33
07456W	4435N	2742-14520	10	GGGG	16	29	07708W	2852N	2740-14451	50	FGGF	14	40
07457W	3140N	2757-14380	90	GGGG	13	38	07712W	2848N	2758-14443	50	GG	14	40
07500W	4431N	2760-14512	80	GGGG	16	29	07722W	4553N	2762-15022	70	GGFG	18	28
07501W	3602N	2740-14431	100	GGGG	14	35	07723W	3305N	2759-14490	40	GGGG	15	37
07503W	4019N	2741-14473	10	GGGG	15	32	07727W	4143N	2743-14583	90	GGGG	17	31
07507W	3557N	2758-14423	10	GGGG	14	35	07727W	3727N	2742-14541	0	GGGG	16	34
07508W	4013N	2759-14465	90	GGGG	15	32	07730W	3724N	2760-14532	40	GGGG	16	34
07528W	4310N	2742-14523	20	GGGG	16	30	07732W	2725N	2740-14454	10	FFFF	14	41
07528W	3436N	2740-14433	100	GGGG	14	36	07737W	2722N	2758-14450	80	GGGG	14	41
07532W	4305N	2760-14514	90	GGGG	16	30	07748W	3139N	2759-14492	40	GGGG	15	38
07532W	3853N	2741-14480	10	GGFG	15	33	07749W	4434N	2744-15032	20	FFFF	18	29
07533W	3431N	2758-14425	10	GGGG	14	36	07754W	3602N	2742-14543	0	GGGG	16	35
07536W	3847N	2759-14472	90	GGGG	15	33	07755W	428N	2762-15024	90	GGGG	18	29
07550W	4559N	2743-14572	90	GGGG	17	28	07756W	4018N	2743-14590	80	GGGG	17	32
07554W	3310N	2740-14440	100	GGGG	14	37	07757W	3558N	2760-14535	10	GGG	16	35
07559W	4145N	2742-14525	40	GGGG	16	31	07810W	3018N	2741-14503	40	GGGG	15	39
07559W	3305N	2758-14432	10	GGGG	14	37	07813W	3013N	2759-14495	30	GGGG	15	39
07600W	3727N	2741-14482	0	GGFG	15	34	07821W	4308N	2744-15035	40	GGGF	18	30
07603W	4140N	2760-14521	100	GGGG	16	31	07821W	3436N	2742-14550	0	GGGG	16	36
07604W	3722N	2759-14474	80	FFFF	15	34	07824W	3432N	2760-14541	10	GG G	16	36
07611W	4842N	2762-15013	40	GGGG	18	26	07825W	3852N	2743-14592	20	FGGG	17	33
07619W	3144N	2740-14442	100	GGGF	14	38	07827W	4302N	2762-15031	70	GGGG	18	30
07623W	4434N	2743-14574	100	FGGG	17	29	07834W	2852N	2741-14505	40	GGGG	15	40
07624W	3135N	2758-14434	10	GGGG	14	38	07837W	2847N	2759-14501	50	GG	15	40
07627W	3602N	2741-14485	0	GGGG	15	35	07847W	3310N	2742-14552	10	GGGG	16	37
07629W	4019N	2742-14532	30	GGGG	16	32	07850W	3307N	2760-14544	10	G FG	16	37
07631W	3556N	2759-14481	70	GGGG	15	35	07853W	4143N	2744-15041	90	GGFF	18	31
07633W	4015N	2760-14523	100	GGGG	16	32	07853W	3727N	2743-14595	10	GGGG	17	34
07644W	3018N	2740-14445	90	GG	14	39	07857W	4137N	2762-15033	10	GGGG	18	31
07647W	4717N	2762-15015	40	GGGG	18	27	07858W	4847N	2741-15133	30	GGGG	20	26
07648W	3014N	2758-14441	40	GGGG	14	39	07901W	2721N	2759-14504	50	GGGG	15	41

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

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LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0066

PRINCIPAL PT. REF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH	FRAME ROW	PRINCIPAL PT. REF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH	FRAME ROW		
LONG	LAT		12345678	NUMBER		LONG	LAT		12345678	NUMBER			
07912N	3144N	2742-14555	30	FGGG	16	38	08115W	4307N	2746-15151	10	GGGG	20	30
07915N	3141N	2760-14550	40	GGGG	16	38	08117W	3429N	2762-15054	0	GGGG	18	36
07916N	4433N	2745-15091	10	G	19	29	08118W	3851N	2745-15105	60	FGGG	19	33
07921N	3601N	2743-15001	50	GGGG	17	35	08128W	2850N	2743-15022	90	GGGG	17	40
07923N	4017N	2744-15044	100	GGGF	18	32	08134W	4600N	2747-15200	10	GGGG	21	28
07924N	2555N	2759-14510	60	GGGG	15	42	08139W	3308N	2744-15064	40	GGGG	18	37
07927N	4012N	2762-15040	10	GGGG	18	32	08143W	3303N	2762-15060	0	GGGG	18	37
07935N	4722N	2746-15140	30	GGGG	20	27	08146W	4142N	2746-15154	10	GGGG	20	31
07937N	3018N	2742-14561	50	GGGG	16	39	08146W	3725N	2745-15111	80	GGGG	19	34
07940N	3015N	2760-14553	50	GGGG	16	39	08150W	4849N	2748-15250	90	GGGG	22	26
07947N	3435N	2743-15004	40	GGGF	17	36	08151W	2724N	2743-15024	40	FGGG	17	41
07949N	4307N	2745-15093	40	GGFG	19	30	08205W	3142N	2744-15071	70	GGGG	18	38
07951N	3852N	2744-15050	70	GGGF	18	33	08208W	4435N	2747-15203	10	GGG	21	29
07956N	3847N	2762-15042	30	GGGG	18	33	08208W	3138N	2762-15063	0	GGGP	18	38
08001N	2852N	2742-14564	70	GGGG	16	40	08214W	3559N	2745-15114	50	GGGG	19	35
08004N	2849N	2762-14555	40	GGGG	16	40	08215W	2558N	2743-15031	20	GGFG	17	42
08009N	4557N	2746-15142	20	GGGG	20	28	08216W	4016N	2746-15160	10	GGGG	20	32
08013N	3309N	2743-15010	30	GGGG	17	37	08226W	4724N	2748-15252	80	GGGG	22	27
08019N	3726N	2744-15053	10	GF GG	18	34	08229W	3017N	2744-15073	90	GGGG	18	39
08020N	4142N	2745-15100	70	GGFG	19	31	08233W	3013N	2762-15065	0	GGGG	18	39
08022N	4859N	2747-15191	10	3GG	21	26	08237W	2431N	2743-15033	10	GGGF	17	43
08023N	3721N	2762-15045	10	GGGG	18	34	08240W	3434N	2745-15120	10	GGGG	19	36
08025N	2725N	2742-15070	80	GGGG	16	41	08241W	4310N	2747-15205	10	GGGG	21	30
08028N	2723N	2760-14562	10	GGGG	16	41	08246W	3850N	2746-15163	10	GGGG	20	33
08038N	3142N	2743-15013	70	GGGG	17	38	08254W	2850N	2744-15080	90	GGGF	18	40
08043N	4432N	2746-15145	10	GGGG	20	29	08257W	2843N	2762-15072	0	GF GG	18	40
08047N	3600N	2744-15055	10	GGGG	18	35	08301W	4559N	2748-15255	90	GGGG	22	28
08048N	2559N	2742-14573	90	GGGG	16	42	08306W	3307N	2745-15123	10	FGGG	19	37
08050N	4016N	2765-15102	30	GGFG	19	32	08312W	4144N	2747-15212	10	GGGG	21	31
08050N	3555N	2762-15051	0	GGGG	18	35	08314W	3724N	2746-15165	0	GGGG	20	34
08051N	2557N	2760-14564	10	GGGG	16	42	08317W	2724N	2744-15082	60	GGFG	18	41
08059N	4725N	2747-15194	10	GGGG	21	27	08318W	4849N	2749-15304	100	GGG	23	26
08103N	3016N	2743-15015	90	GGGG	17	39	08331W	3141N	2745-15125	10	FGGG	19	38
08111N	2433N	2742-14575	80	GGGG	16	43	08334W	4434N	2748-15261	60	GGGG	22	29
08113N	3434N	2744-15062	10	FGGF	18	36	08341W	3558N	2746-15172	0	GGGG	20	35
08114N	2431N	2760-14571	30	GF GG	16	43	08341W	2558N	2744-15085	20	PPPP	18	42

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

1K:22 MAR 30, 177

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COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

PAGE 0067

PRINCIPAL PT. OF IMAGE	OBSEVATION	CC	QUALITY	ORBIT	FRAME	PRINCIPAL PT. OF IMAGE	OBSEVATION	CC	QUALITY	ORBIT	FRAME	
LNG	ID	%	RBV MSS	PATH	RNG	ID	ID	%	RBV MSS	PATH	RNG	
				12345678	NUMBER					12345678	NUMBER	
08342N	401RN	2747-15214	10	GFFF	21	32	08713W	2852N	2747-15250	70	FGFF	21
08354N	4724N	2748-15310	100	GGGG	23	27	08720W	455RN	2751-15425	90	GGGG	25
08356N	3015N	2745-15132	10	GGGG	19	39	08723W	3310N	2748-15293	10	GGGG	22
08404N	2431N	2744-15091	40	FFFF	18	43	08729W	4143N	2750-15383	0	GFGGGG	24
08406N	4309N	2748-15264	40	GGGG	22	30	08731W	3726N	2749-15340	10	GG G	23
08408N	3433N	2746-15174	0	FGG	20	36	08733W	4848N	2752-15474	80	GGGG	26
08411N	3853N	2747-15221	10	GFGG	21	33	08748W	3143N	2748-15300	10	GGGF	22
08428N	4559N	2749-15313	90	GGGG	23	28	08753W	4433N	2751-15432	40	GGGG	25
08433N	3306N	2746-15181	0	GGGG	20	37	08758W	3600N	2749-15342	0	GGFG	23
08437N	4143N	2748-15270	30	GGGG	22	31	08759W	4018N	2750-15385	0	GGGGGG	24
08439N	3727N	2747-15223	0	GGGG	21	34	08810W	4723N	2752-15481	80	FGGG	26
08441N	4849N	2750-15362	80	GGGGGGGG	24	26	08813W	3017N	2748-15302	10	GGGF	22
08459N	3140N	2746-15183	0	GGGG	20	38	08824W	3434N	2749-15345	0	GGGG	23
08501N	4434N	2749-15315	70	GGGG	23	29	08825W	4308N	2751-15434	10	GGGF	25
08506N	3601N	2747-15230	0	GGGG	21	35	08828W	3852N	2750-15392	0	G GGGGG	24
08507N	4018N	2748-15273	40	GGGG	22	32	08837W	2852N	2748-15305	30	FGGG	22
08518N	4724N	2750-15365	50	FGGGGGGG	24	27	08845W	4558N	2752-15483	80	GGGG	26
08523N	3015N	2746-15190	0	GGGG	20	39	08850W	3308N	2749-15351	0	GGGG	23
08532N	3436N	2747-15232	0	GGGG	21	36	08856W	3726N	2750-15394	0	GGGGGGGG	24
08533N	4308N	2749-15322	40	GG G	23	30	08857W	4143N	2751-15441	10	GGGF	25
08536N	3852N	2748-15275	10	GGGG	22	33	08902W	4847N	2753-15533	10	GGGG	27
08548N	2848N	2746-15192	10	GGFG	20	40	08915W	3143N	2749-15354	0	GGGG	23
08553N	4559N	2750-15371	30	GGGG	24	28	08918W	4433N	2752-15490	80	GGGG	26
08559N	3309N	2747-15235	0	FGGG	21	37	08923W	3601N	2750-15401	0	GGGGGGGG	24
08603N	3727N	2748-15282	10	GGGG	22	34	08926W	4017N	2751-15443	10	GGF	25
08605N	4143N	2749-15324	50	GFGG	23	31	08939W	4722N	2753-15535	30	G3GG	27
08609N	4844N	2751-15420	90	GGGG	25	26	08940W	3017N	2749-15360	0	GGGG	23
08624N	3144N	2747-15241	0	FGGG	21	38	08949W	3435N	2750-15403	0	GGGG3GG	24
08626N	4433N	2750-15374	40	GGGG	24	29	08951W	4308N	2752-15492	70	GGGG	26
08630N	3601N	2748-15284	0	GGGF	22	35	08955W	3851N	2751-15450	10	GGGG	25
08635N	4018N	2749-15331	40	GGGG	23	32	09004W	2851N	2749-15363	20	FFF	23
08645N	4723N	2751-15423	90	GGG	25	27	09013W	4557N	2753-15542	90	GGGG	27
08649N	3017N	2747-15244	20	FGFG	21	39	09015W	3309N	2750-15410	10	GGGGGG	24
08656N	3435N	2748-15291	10	GGGF	22	36	09022W	4142N	2752-15495	40	GGGG	26
08658N	4308N	2750-15380	10	GGGG	24	30	09023W	3726N	2751-15452	10	GGGF	25
08704N	3852N	2749-15333	10	GGGG	23	33	09028W	2725N	2749-15365	80	GGGG	23

KEYS: CLOUD COVER x 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

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PRINCIPAL PT. OF IMAGE LONG LAT	OBSERVATION ID	CC %	QUALITY	ORBIT 12345678	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE LONG LAT	OBSERVATION ID	CC %	QUALITY	ORBIT 12345678	FRAME ROW NUMBER
09040W 3143N	2750-15412	10	GGGG	24	38	09345W 4016N	2754-16014	60	GGGG	28	32
09047W 4432N	2753-15544	90	GGGG	27	29	09351W 4727N	2738-16114	20	GGGG	30	27
09050W 3600N	2751-15455	40	GGGF	25	35	09357W 4721N	2756-16110	50	F3GG	30	27
09052W 4017N	2752-15501	40	GGGG	26	32	09358W 3016N	2752-15531	50	GGGG	26	39
09103W 4722N	2754-15593	50	GGGG	28	27	09407W 4310N	2737-16071	60	GGGG	29	30
09105W 3017N	2750-15415	10	GGGG	24	39	09410W 4306N	2755-16063	0	GGGG	29	30
09117W 3434N	2751-15461	90	GGGF	25	36	09411W 3433N	2753-15574	0	GGGG	27	36
09119W 4307N	2753-15551	90	GGGG	27	30	09414W 3850N	2754-16020	50	GGGG	28	33
09130W 2851N	2750-15421	10	GGGG	24	40	09422W 2850N	2752-15533	90	GG G	26	40
09138W 4557N	2754-16000	70	FGGG	28	28	09426W 4601N	2738-16120	50	FGGG	30	28
09142W 3308N	2751-15464	90	GGGF	25	37	09432W 4556N	2756-16112	70	GGGG	30	28
09148W 3726N	2752-15510	80	GGGG	26	34	09436W 3307N	2753-15580	0	FGGG	27	37
09149W 4851N	2737-16053	30	GGGG	29	26	09437W 4145N	2737-16074	30	GGGG	29	31
09149W 4142N	2753-15553	20	GGGG	27	31	09438W 3730N	2736-16031	0	GGGG	28	34
09154W 4846N	2755-16045	10	FGGG	29	26	09441W 4851N	2739-16170	20	F3GG	31	26
09208W 3142N	2751-15470	70	GGGF	25	38	09441W 4141N	2755-16070	0	GGGG	29	31
09211W 4432N	2754-16002	80	FGGG	28	29	09442W 3724N	2754-16023	70	G PF	28	34
09215W 3601N	2752-15513	60	GGGG	26	35	09446W 2723N	2752-15540	100	GGG	26	41
09219W 4016N	2753-15560	10	GGGG	27	32	09501W 4436N	2738-16123	20	G3GG	30	29
09225W 4726N	2737-16060	30	GGGG	29	27	09501W 3141N	2753-15583	0	GGGG	27	38
09230W 4721N	2755-16052	10	GGGG	29	27	09505W 4431N	2756-16115	90	G3GG	30	29
09233W 3016N	2751-15473	70	FGGG	25	39	09505W 3604N	2736-16033	0	GGGG	28	35
09241W 3434N	2752-15515	80	G3GG	26	36	09507W 4020N	2737-16080	10	GGGG	29	32
09244W 4308N	2754-16005	60	GPGG	28	30	09508W 3559N	2754-16025	90	G GG	28	35
09248W 3851N	2753-15562	0	G3GG	27	33	09509W 2557N	2752-15542	80	GGG	26	42
09257W 2850N	2751-15475	30	G GG	25	40	09511W 4015N	2755-16072	10	GGGG	29	32
09300W 4601N	2737-16062	10	GGGG	29	28	09517W 4726N	2739-16172	10	GGGG	31	27
09305W 4556N	2755-16054	0	GGGG	29	28	09526W 4720N	2757-16164	50	GGGG	31	27
09307W 3308N	2752-15522	90	GGGG	26	37	09526W 3015N	2753-15585	0	GGGG	27	39
09315W 4142N	2754-16011	10	G GG	28	31	09532W 3439N	2736-16040	20	GGGG	28	36
09316W 3725N	2753-15565	0	GGGG	27	34	09532W 2431N	2752-15545	70	G3G	26	43
09321W 4846N	2756-16103	50	GGGG	30	26	09533W 4310N	2738-16125	10	G3GG	30	30
09333W 3143N	2752-15524	50	GGGG	26	38	09534W 3433N	2754-16032	50	GGGG	28	36
09334W 4436N	2737-16065	30	GGGG	29	29	09536W 3854N	2737-16083	0	F3GG	29	33
09338W 4431N	2755-16061	0	GGGG	29	29	09537W 4306N	2756-16121	90	G3GG	30	30
09344W 3559N	2753-15571	0	GGGG	27	35	09540W 3850N	2755-16075	10	G3GG	29	33

KEYS: CLOUD COVER % 0 TO 100 % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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PRINCIPAL PT. OF IMAGE	LONG	OBSERVATION ID	CC	QUALITY	ORBIT RBV MSS	FRAME PATH ROW NUMBER	PRINCIPAL PT. OF IMAGE	LONG	OBSERVATION ID	CC	QUALITY	ORBIT RBV MSS	FRAME PATH ROW NUMBER
	LAT		X		12345678			LAT		X		12345678	
09550N	2850N	2753-15592	10	GGGG	27	40	09729W	4145N	2739-16190	10	GGGF	31	31
09552N	4601N	2739-16175	10	GGGF	31	28	09731W	3728N	2738-16143	0	GGGG	30	34
09558N	3313N	2736-16042	80	GGGG	28	37	09734W	4851N	2741-16282	10	GGGG	33	26
09600N	3307N	2754-16034	10	GF GG	28	37	09734W	3723N	2756-16135	60	GGGG	30	34
09601N	4555N	2757-16170	90	GGGG	31	28	09737W	4140N	2757-16182	0	GGGG	31	31
09604N	3728N	2737-16085	10	FGGF	29	34	09737W	2728N	2736-16060	60	GGGG	28	41
09605N	4144N	2738-16132	0	GGGG	30	31	09738W	2724N	2754-16052	0	GFFG	28	41
09607N	3725N	2755-16081	20	GGGG	29	34	09750W	3144N	2737-16103	20	FGGG	29	38
09608N	4852N	2740-16224	70	FGFG	32	26	09752W	3140N	2755-16095	50	GGGG	29	38
09608N	4140N	2756-16124	90	FGGG	30	31	09753W	4436N	2740-16235	70	GGF	32	29
09614N	2724N	2753-15594	40	GGG3	27	41	09758W	3602N	2738-16150	0	GFFF	30	35
09623N	3147N	2736-16045	10	G63G	28	38	09759W	4430N	2758-16231	70	GGGG	32	29
09625N	4436N	2739-16181	0	GGGG	31	29	09759W	4019N	2739-16193	10	GGGG	31	32
09626N	3142N	2754-16041	10	GGGG	28	38	09800W	2602N	2736-16063	30	GGGG	28	42
09632N	3602N	2737-16092	10	FFGG	29	35	09801W	3557N	2756-16142	90	GGGG	30	35
09634N	4430N	2757-16173	10	G GG	31	29	09802W	2558N	2754-16055	0	GFFG	28	42
09634N	4019N	2738-16134	0	GGGG	30	32	09807W	4014N	2757-16184	10	GGG	31	32
09635N	3555N	2755-16084	40	GGG3	29	35	09810W	4726N	2741-16284	10	GGGG	33	27
09636N	2557N	2753-16001	90	GGG3	27	42	09815W	3017N	2737-16110	0	GFFG	29	39
09638N	4014N	2755-16130	80	GGGG	30	32	09817W	3015N	2755-16102	90	GGGG	29	39
09644N	4727N	2740-16237	10	FGGG	32	27	09825W	4310N	2740-16242	90	GFFG	32	30
09649N	3020N	2736-16051	10	GGGG	28	39	09825W	3436N	2738-16152	0	GFFG	30	36
09651N	4720N	2758-16222	30	GGGG	32	27	09827W	3432N	2756-16144	70	GGGG	30	36
09651N	3016N	2754-16143	0	GGG3	28	39	09828W	3854N	2739-16195	20	GFFG	31	33
09657N	4310N	2739-16184	10	GGGG	31	30	09831W	4305N	2758-16234	90	GGGG	32	30
09658N	3436N	2737-16094	0	FGGG	29	36	09835W	3849N	2757-16191	10	GGGG	31	33
09659N	2431N	2753-16003	100	GGG3	27	43	09841W	2849N	2755-16104	90	GGGG	29	40
09701N	3433N	2755-16090	10	GGGG	29	36	09845W	4601N	2741-16291	0	GGGG	33	28
09703N	3853N	2738-16141	0	GGG3	30	33	09850W	4556N	2759-16283	50	GGGG	33	28
09706N	4305N	2757-16175	10	GGGG	31	30	09851W	3310N	2738-16155	50	GFFG	30	37
09706N	3848N	2756-16133	70	GGG3	30	33	09852W	3306N	2756-16151	60	GGGG	30	37
09713N	2854N	2736-16054	30	GGGG	28	40	09856W	4145N	2740-16244	50	G3FG	32	31
09715N	2850N	2754-16050	0	GGGG	28	40	09856W	3727N	2739-16202	20	G3RG	31	34
09719N	4601N	2740-16233	30	GGGG	32	28	09902W	4139N	2758-16240	10	GGGG	32	31
09726N	4555N	2758-16225	80	FGGG	32	28	09903W	3723N	2757-16193	10	GGGG	31	34
09727N	3305N	2755-16093	10	GGGG	29	37	09903W	2725N	2737-16115	50	GFFG	29	41

KEYS: C-BUD COVER & 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT PATH	FRAME ROW	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT PATH	FRAME ROW
LONG LAT			12345678	NUMBER	NUMBER	LONG LAT			12345678	NUMBER	NUMBER
09905W 4846N	2760-16332	10	GGGG	34	26	10047W 3139N	2757-16211	10	GGGG	31	38
09905W 2723N	2755-16111	100	GGGG	29	41	10049W 4431N	2760-16343	0	GGGG	34	29
09916W 3144N	2738-16161	50	GGGG	30	38	10051W 3602N	2740-16262	0	GGGF	32	35
09918W 3140N	2756-16153	10	GGGG	30	38	10052W 2559N	2738-16175	40	GGGG	30	42
09919W 4435N	2741-16293	0	GGGG	33	29	10053W 4019N	2741-16305	80	GGGG	33	32
09924W 4432N	2759-16285	30	GGGG	73	29	10054W 2556N	2756-16171	10	PGGG	30	42
09924W 3602N	2739-16204	50	GGGF	31	35	10055W 3556N	2758-16254	90	GGG	32	35
09926W 4019N	2740-16251	10	GGGF	32	32	10057W 4015N	2759-16301	0	GGGG	33	32
09926W 2559N	2737-16121	40	FGGG	29	42	10103W 4725N	2743-16401	80	FGGG	35	27
09929W 2557N	2755-16113	90	GGGG	29	42	10106W 3017N	2739-16222	90	GGGG	31	39
09930W 3557N	2757-16200	0	GGGG	31	35	10108W 4715N	2761-16393	10	GGGG	35	27
09932W 4013N	2758-16243	20	GGGG	32	32	10111W 3013N	2757-16214	0	GGGG	31	39
09941W 4721N	2760-16334	10	GGGG	34	77	10117W 3436N	2740-16265	0	FGGG	32	36
09941W 3018N	2738-16164	30	GGGG	30	39	10121W 3430N	2758-16261	10	GGGG	32	36
09943W 3014N	2756-16160	0	FGGG	30	39	10122W 4306N	2760-16350	0	GGGG	34	30
09950W 3435N	2739-16211	70	GGGG	31	36	10122W 3854N	2741-16311	70	GGGG	33	33
09952W 4310N	2741-16300	0	GGGG	33	30	10125W 3850N	2759-16303	10	GGGG	33	33
09953W 5009N	2761-16384	10	GGGG	35	25	10130W 2851N	2739-16225	80	GGGG	31	40
09955W 3853N	2740-16253	10	GGGG	32	33	10135W 2847N	2757-16220	0	GGGG	31	40
09956W 4307N	2759-16292	10	GGGG	33	30	10138W 4559N	2743-16403	70	GGGG	35	28
09956W 3431N	2757-16202	10	GGGG	31	36	10143W 4553N	2761-16395	10	GGGG	35	28
10000W 3848N	2758-16245	20	GGGG	32	33	10144W 3310N	2740-16271	10	GGGG	32	37
10005W 2851N	2738-16170	40	GGGG	30	40	10147W 3304N	2758-16263	10	GGGG	32	37
10007W 2848N	2756-16162	0	GGG	30	40	10150W 3728N	2741-16314	50	FGGG	33	34
10016W 4556N	2760-16341	0	GGGG	34	28	10153W 4140N	2760-16352	0	GGGG	34	31
10016W 3309N	2739-16213	90	GGGG	31	37	10153W 3725N	2759-16310	10	GGGG	33	34
10022W 3305N	2757-16205	0	GGGG	31	37	10154W 4849N	2744-16453	90	GGGG	36	26
10023W 4144N	2741-16302	60	GGGG	33	31	10154W 2725N	2739-16231	60	GGGG	31	41
10023W 3727N	2740-16260	0	FGGG	32	34	10158W 2721N	2757-16223	0	GGGG	31	41
10027W 4850N	2743-16394	90	GGGF	35	26	10209W 3144N	2740-16274	40	GGGG	32	38
10027W 4141N	2759-16294	10	GGGG	33	31	10212W 4435N	2743-16410	10	GGGG	35	29
10028W 3722N	2758-16252	30	GGGG	32	34	10212W 3139N	2758-16270	0	FGGF	32	38
10029W 2725N	2738-16173	60	GGGG	30	41	10216W 4429N	2761-16402	0	GGGG	35	29
10031W 2722N	2756-16165	0	FGGG	30	41	10217W 3802N	2741-16320	40	GGGG	33	35
10032W 4844N	2761-16390	10	GGGG	35	26	10221W 3559N	2759-16312	0	GGGG	33	35
10041W 3144N	2739-16220	90	GGGG	31	38	10222W 4015N	2760-16355	0	FGGG	34	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

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PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT	FRAME ROW	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT	FRAME ROW	
LONG	LAT		RBV MSS	PATH	NUMBER	LONG	LAT		RBV MSS	PATH	NUMBER	
10230W	4724N	2744-16455	70	GGGG	36	27	10442W	3726N	2743-16430	10	GGGF	35
10234W	3018N	2740-16280	10	GGGG	32	39	10443W	4143N	2744-16473	20	GGGG	36
10237W	3013N	2758-16272	10	FGPG	32	39	10445W	4851N	2746-16565	60	G3GG	38
10244W	4309N	2743-16412	0	GGGG	35	30	10447W	3722N	2761-16422	30	GGGG	35
10244W	3436N	2741-16323	10	GGGG	33	36	10448W	2725N	2741-16343	0	GGGG	33
10247W	3434N	2759-16315	0	GGGG	33	36	10450W	2724N	2759-16335	0	GGGG	33
10248W	4304N	2761-16404	10	FGGG	35	30	10506W	4433N	2745-16522	10	GGGG	37
10251W	3850N	2760-16361	0	GGGG	34	33	10509W	3600N	2743-16433	10	GGGG	35
10258W	2851N	2740-16283	40	FGGG	32	40	10512W	4017N	2744-16480	10	GGGG	36
10301W	2848N	2758-16275	0	FGGG	32	40	10514W	3556N	2761-16425	10	G5GG	35
10306W	4559N	2744-16462	50	GGGG	36	28	10523W	4726N	2746-16571	80	GGGG	38
10310W	3309N	2741-16325	0	GGGG	33	37	10528W	3014N	2760-16384	0	FGGG	34
10313W	3308N	2759-16321	0	FGGG	33	37	10536W	3434N	2743-16435	10	GGGG	35
10315W	4144N	2743-16415	10	GGGG	35	31	10539W	4307N	2745-16525	10	GGGF	37
10319W	4138N	2761-16411	20	GGGG	35	31	10540W	3430N	2761-16431	10	GGGG	35
10320W	4848N	2745-16511	90	GGGG	37	26	10541W	3852N	2744-16482	30	FGGG	36
10320W	3724N	2760-16364	10	FFGG	34	34	10552W	2848N	2760-16391	0	FGGG	34
10321W	2725N	2740-16285	90	GGGG	32	41	10558W	4601N	2746-16574	60	GGGG	38
10325W	2721N	2755-16281	0	GGGF	32	41	10602W	3309N	2743-16442	10	GGGG	35
10335W	3143N	2741-16332	0	GGGG	33	38	10605W	3304N	2761-16434	0	GF	35
10338W	3142N	2759-16324	10	GGGG	33	38	10609W	4142N	2745-16531	20	GGGG	37
10339W	4434N	2744-16464	10	GGGG	36	29	10609W	3726N	2744-16485	20	GGGG	36
10345W	4018N	2743-16421	10	GGGG	35	32	10611W	4851N	2747-17023	10	GGGG	39
10346W	3558N	2760-16370	20	FFGG	34	35	10628W	3143N	2743-16444	10	GGGF	35
10350W	4013N	2761-16413	40	FGGG	35	32	10631W	4435N	2746-16580	10	GGGG	38
10357W	4723N	2745-16513	80	GGGG	37	27	10637W	3600N	2744-16491	10	GGGG	36
10359W	3018N	2741-16334	0	FGGG	33	39	10639W	4016N	2745-16534	30	GGGG	37
10403W	3016N	2759-16330	0	GGGG	33	39	10648W	4726N	2747-17030	20	GGGG	39
10412W	4309N	2744-16471	20	GGGG	36	30	10652W	3017N	2743-16451	10	GGGG	35
10412W	3432N	2760-16373	10	GGGG	34	36	10655W	3013N	2761-16443	0	GG	35
10414W	3853N	2743-16424	0	GGGG	35	33	10703W	4310N	2746-16583	30	GGGF	38
10418W	3848N	2761-16420	40	GGGG	35	33	10703W	3434N	2744-16494	10	GGGG	36
10424W	2852N	2741-16341	0	FGGG	33	40	10708W	3851N	2745-16540	30	GGGG	37
10427W	2850N	2759-16333	0	GGGG	33	40	10723W	4600N	2747-17032	0	GGGG	39
10433W	4558N	2745-16520	20	GGGG	37	28	10729W	3307N	2744-16500	0	GGGG	36
10438W	3306N	2760-16375	10	Fyyy	34	37	10733W	4144N	2746-16585	10	yyy	38

KEYS: CLOUD COVER % 0 TO 100 % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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COORDINATE LISTING
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FROM 02/01/77 TO 02/28/77

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PRINCIPAL PT. OF IMAGE	OBSEERVATION ID	CC %	QUALITY	ORBIT	FRAME ROW	PRINCIPAL PT. OF IMAGE	OBSEERVATION ID	CC %	QUALITY	ORBIT	FRAME ROW		
LONG	LAT		R&V MSS	PATH	NUMBER	LONG	LAT		R&V MSS	PATH	NUMBER		
10736W	3725N	2745-16543	30	FGGG	37	34	11119W	3436N	2747-17064	0	FGGG	39	36
10738W	4850N	2748-17081	10	GFGG	40	26	11122W	4309N	2749-17153	10	G3GG	41	30
10754W	3142N	2744-16503	0	GGGG	36	38	11126W	3852N	2748-17111	0	GGGG	40	33
10756W	4435N	2747-17035	0	GGGG	39	29	11143W	4554N	2750-17203	90	G3GG	42	28
10803W	4019N	2746-16592	10	GGGG	38	32	11145W	3310N	2747-17071	0	FGGG	39	37
10803W	3559N	2745-16545	40	FGGF	37	35	11153W	4143N	2749-17160	10	GGGG	41	31
10815W	4725N	2748-17084	10	GGGG	40	27	11153W	3726N	2748-17113	0	GGGG	40	34
10819W	3016N	2744-16505	10	FGGG	36	39	11158W	4848N	2751-17252	10	G GF	43	26
10828W	4310N	2747-17041	0	GGGG	39	30	11210W	3144N	2747-17073	0	FGGG	39	38
10829W	3433N	2745-16552	20	GGGG	37	36	11216W	4434N	2750-17205	70	FGGG	42	29
10832W	3853N	2746-16594	10	GGGG	38	33	11220W	3601N	2748-17120	10	G3GG	40	35
10844W	2850N	2744-16512	10	GGGG	36	40	11223W	4018N	2749-17162	20	GGGG	41	32
10850W	4559N	2748-17090	10	GGGG	40	28	11235W	4723N	2751-17254	40	GGGF	43	27
10855W	3307N	2745-16554	10	GFGG	37	37	11235W	3017N	2747-17080	0	GGGG	39	39
10859W	4144N	2747-17044	0	GGGG	39	31	11247W	3434N	2748-17122	10	GGGG	40	36
10900W	3727N	2746-17001	10	G3GG	38	34	11249W	4308N	2750-17212	60	G3GG	42	30
10904W	4849N	2749-17135	10	GGGG	41	26	11252W	3852N	2749-17165	40	GGFG	41	33
10920W	3141N	2745-16561	10	GGGG	37	38	11310W	4558N	2751-17261	80	PGPG	43	28
10924W	4434N	2748-17093	10	GGGG	40	29	11312W	3308N	2748-17125	10	GGGG	40	37
10927W	3601N	2746-17003	0	GGGG	38	35	11320W	4143N	2750-17214	10	GGGG	42	31
10929W	4019N	2747-17050	0	GGGG	39	32	11320W	3727N	2749-17171	50	GGGG	41	34
10941W	4724N	2749-17142	10	GGGG	41	27	11322W	4848N	2752-17310	70	F G	44	26
10945W	3015N	2745-16563	10	GGGG	37	39	11338W	3143N	2748-17131	10	GFGG	40	38
10953W	3436N	2746-17010	10	GGGG	38	36	11344W	4433N	2751-17263	40	P3GG	43	29
10956W	4309N	2745-17095	10	GGGG	40	30	11347W	3601N	2749-17174	30	GGG	41	35
10957W	3853N	2747-17053	0	GFGG	39	33	11350W	4018N	2750-17221	10	GGGG	42	32
11016W	4559N	2749-17144	10	GGGG	41	28	11359W	4723N	2752-17313	90	F G	44	27
11019W	3310N	2746-17012	20	GGGG	38	37	11403W	3018N	2748-17134	10	GGGF	40	39
11025W	3727N	2747-17055	10	FGGG	39	34	11413W	3435N	2749-17180	10	GGGG	41	36
11027W	4144N	2748-17102	0	GGGF	40	31	11417W	4308N	2751-17270	10	PGP	43	30
11044W	3144N	2746-17015	10	GGG	38	38	11419W	3852N	2750-17223	0	GGGG	42	33
11050W	4434N	2749-17151	0	GGGG	41	29	11435W	4558N	2752-17315	80	GF GG	44	28
11053W	3602N	2747-17062	10	FGGG	39	35	11439W	3309N	2749-17183	60	GGGG	41	37
11057W	4018N	2748-17104	10	GGGG	40	32	11444W	4854N	2735-17372	80	PGGG	45	26
11107W	4723N	2750-17200	90	GGGG	42	27	11447W	3725N	2750-17230	10	GGGG	42	34
11109W	3018N	2746-17021	0	GGGG	38	39	11448W	4848N	2753-17364	10	FGGG	45	26

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

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PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT	FRAME ROW	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY	ORBIT	FRAME ROW	
LONG	LAT		12345678	NUMBER	NUMBER	LONG	LAT		12345678	NUMBER	NUMBER	
11448W	4142N	2751-17272	10	GGG	43	31	11757W	3141N	2751-17302	0	GGGF	43
11503W	3143N	2749-17185	30	GGGG	41	38	11802W	4432N	2754-17434	0	GGGG	46
11509W	4433N	2752-17322	50	FFGG	44	29	11804W	4021N	2735-17395	0	GGGG	45
11514W	3600N	2750-17232	10	PGGG	42	35	11806W	3559N	2752-17345	10	GFGG	44
11517W	4017N	2751-17275	10	GPGG	43	32	11808W	4016N	2753-17391	10	GGGG	45
11520W	4729N	2735-17375	30	FFGG	45	27	11812W	4730N	2737-17491	90	F3GG	47
11525W	4722N	2753-17371	30	GGGG	45	27	11821W	4721N	2755-17483	30	GGGG	47
11540W	3434N	2750-17235	10	GGGG	42	36	11829W	4314N	2736-17444	10	GGGG	46
11542W	4308N	2752-17324	50	GGGG	44	30	11831W	5010N	2756-17532	90	GGGG	48
11546W	3851N	2751-17281	0	GGGG	43	33	11832W	3434N	2752-17351	0	GFGG	44
11556W	4604N	2735-17381	30	FFGF	45	28	11833W	4306N	2754-17440	0	GGGG	46
11600W	4557N	2753-17373	10	GGGG	45	28	11834W	3856N	2735-17402	10	GGG	45
11606W	3309N	2750-17241	0	GGGG	42	37	11836W	3851N	2753-17394	0	GGGG	45
11613W	4142N	2752-17331	50	GF GG	44	31	11848W	4605N	2737-17494	80	FFGG	47
11614W	3725N	2751-17284	0	GF GG	43	34	11855W	4556N	2755-17490	20	GGGG	47
11617W	4847N	2754-17422	10	GGGG	46	26	11858W	3308N	2752-17354	0	GGGF	44
11630W	4438N	2735-17384	40	FGGG	45	29	11900W	4188N	2736-17451	0	GGGG	46
11631W	3143N	2750-17244	10	RGGG	42	38	11902W	3730N	2735-17404	10	FGGG	45
11634W	4432N	2753-17380	10	GGGG	45	29	11904W	4141N	2754-17443	0	GGGG	46
11641W	3559N	2751-17290	0	GF GG	43	35	11905W	3725N	2753-17400	10	GGGG	45
11642W	4016N	2752-17333	10	FG	44	32	11906W	4852N	2738-17543	30	GGGG	48
11647W	4729N	2736-17433	70	GGGG	46	27	11910W	4846N	2756-17535	10	GGGG	48
11653W	4722N	2754-17425	10	GGGG	46	27	11921W	4439N	2737-17500	10	GGGP	47
11703W	4313N	2735-17390	50	F3GG	45	30	11929W	4431N	2755-17492	60	GGGG	47
11707W	4307N	2753-17382	10	GGGG	45	30	11929W	3604N	2735-17411	60	GGFF	45
11707W	3433N	2751-17293	0	GGG	43	36	11930W	4022N	2736-17453	10	GGGG	46
11711W	3850N	2752-17340	10	GGGG	44	33	11932W	3559N	2753-17403	10	GGGG	45
11722W	4604N	2735-17435	30	GGGG	46	28	11934W	4016N	2754-17445	0	GGGG	46
11728W	4557N	2754-17431	10	GGGG	46	28	11942W	4727N	2738-17545	80	GGGG	48
11732W	3307N	2751-17295	0	GGGF	43	37	11947W	4721N	2756-17541	20	GGGG	48
11734W	4148N	2735-17393	10	FGGF	45	31	11954W	4314N	2737-17503	0	G3GG	47
11735W	4855N	2737-17485	40	FGGG	47	26	11956W	3438N	2735-17413	10	FFGG	45
11738W	4141N	2753-17385	10	GGGG	45	31	11958W	3433N	2753-17405	10	GGGG	45
11739W	3724N	2752-17342	0	FGGG	44	34	11959W	3856N	2736-17460	10	GGGG	46
11745W	4846N	2755-17481	50	GGGG	47	26	12001W	4306N	2755-17495	60	FGGG	47
11756W	4440N	2736-17442	30	GGGG	46	29	12003W	3850N	2754-17452	0	GGGG	46

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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COORDINATE LISTING
FOR CONTIGUOUS US
FROM 02/01/77 TO 02/28/77

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PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY	ORBIT	FRAME	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY	ORBIT	FRAME	
LONG	LAT					LONG	LAT					
12017N	4602N	2738-17552	80	GGGG	48	28	12233W	4727N	2740-18062	90	F3GG	50
12022N	3312N	2735-17420	10	FGFF	45	37	12238W	4720N	2758-18054	10	G3GG	50
12023N	4056N	2756-17544	20	GGGG	48	28	12247W	4311N	2739-18015	30	GGGG	49
12026W	4148N	2737-17505	0	FGGG	47	31	12247W	3438N	2737-17530	40	FGGF	47
12028W	3730N	2736-17462	50	GGGG	46	34	12253W	4305N	2757-18011	10	G3GG	49
12030W	4851N	2739-18001	30	GGGG	49	26	12253W	3853N	2738-17572	40	GGGG	48
12031W	3725N	2754-17454	10	GGGG	46	34	12257W	3849N	2756-17564	30	GGGG	48
12032W	4141N	2755-17501	70	FFGG	47	31	12308W	4601N	2740-18064	90	GGGP	50
12036W	4845N	2757-17593	70	GGGG	49	26	12313W	4555N	2758-18060	10	G3GG	50
12050W	4436N	2733-17554	30	GGGG	48	29	12318W	4145N	2739-18022	40	FGGG	49
12055W	3604N	2736-17465	50	GGGG	46	35	12321W	4851N	2741-18114	90	GGGF	51
12056W	4431N	2756-17550	40	GGGG	48	29	12321W	3727N	2738-17575	50	GGGG	48
12056W	4022N	2737-17512	10	FGGG	47	32	12324W	4140N	2757-18014	10	GGGG	49
12059W	3559N	2754-17461	10	GGGG	46	35	12325W	3723N	2756-17571	70	GGGG	48
12102W	4015N	2755-17504	60	GGGG	47	32	12341W	4436N	2740-18071	80	GGGF	50
12107W	4726N	2739-18004	40	GGGG	49	27	12347W	4429N	2758-18063	10	GGGG	50
12113W	4720N	2757-18000	50	GGGG	49	27	12348W	4020N	2739-18024	40	FGGF	49
12122W	4311N	2738-17561	0	GGGG	48	30	12349W	3602N	2738-17581	30	FGGG	48
12125W	3456N	2737-17514	40	FGGG	47	33	12354W	4014N	2757-18020	30	GGGG	49
12125W	3433N	2754-17463	40	GGGG	46	36	12358W	4726N	2741-18120	80	GGGF	51
12128W	4305N	2756-17553	30	GGGG	48	30	12402W	4722N	2759-18112	60	GFGG	51
12130W	3849N	2755-17510	10	GGGG	47	33	12414W	4311N	2740-18073	60	GGGG	50
12142W	4601N	2739-18010	40	GGGG	49	28	12417W	3854N	2739-18031	60	FGGF	49
12147W	3311N	2736-17474	80	FGGG	46	37	12419W	4304N	2758-18065	10	GGGG	50
12148W	4555N	2757-18002	40	GGGG	49	28	12423W	3848N	2757-18023	40	G3GG	49
12153W	4145N	2738-17563	0	GGGG	48	31	12434W	4601N	2741-18123	50	GGGG	51
12153W	3730W	2737-17521	40	FFFF	47	34	12437W	4556N	2759-18114	60	GGGG	51
12156W	4852N	2740-18055	90	FGGF	50	26	12446W	4145N	2740-18080	40	FGGG	50
12158W	3723N	2755-17513	10	GGGG	47	34	12449W	4850N	2742-18172	20	GGGG	52
12159W	4139N	2756-17555	20	FGGG	48	31	12450W	4138N	2758-18072	10	GGGG	50
12221W	4436N	2739-18013	30	GGGG	49	29	12451W	3723N	2757-18025	40	GGGG	49
12221W	4430N	2757-18005	20	GGGG	49	29	12510W	4431N	2759-18121	90	GGGG	51
12221W	3605N	2737-17523	10	FGFG	47	35	12516W	4019N	2740-18082	40	GFGF	50
12223W	4019N	2735-17570	10	GGG	48	32	12520W	4012N	2758-18074	50	GGGG	50
12225W	3558N	2755-17515	60	GGGG	47	35	12543W	4306N	2759-18123	70	GGGG	51
12228W	4014N	2756-17562	10	GGGG	48	32	12545W	3853N	2740-18085	40	FGGF	50

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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PRINCIPAL PT. OF IMAGE	OBSEERVATION ID	CC %	QUALITY	ORBIT 12345678	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	OBSEERVATION ID	CC %	QUALITY	ORBIT 12345678	FRAME ROW NUMBER
LONG LAT 12615W 4850N	DW- C7W	0	DWGGG	53	26	LONG LAT					

KEYS: CLOUD COVER x 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

APPENDIX

EXPLANATION OF OBSERVATION ID

The day after the 999th day of operation of Landsat 1, the first digit of the observation ID becomes a 5, signifying that the 1000th day of operation has been reached. The next three digits, which correspond to the count of days since launch, return to 000. On each day thereafter the count, as before, increases by one. The ID format for Landsat 1 is illustrated below:

1000 - hhmmss

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1998 - hhmmss

1999 - hhmmss April 18, 1975

5000 - hhmmss April 19, 1975

5001 - hhmmss (Days since launch equal 1001)

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The same general identification procedure will be used for Landsat 2 imagery. The day after the 999th day of operation of Landsat 2, the first digit of the observation ID becomes a 6, and the next three digits return to 000 as explained above. An illustration follows:

2000 - hhmmss

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2999 - hhmmss

6000 - hhmmss

6001 - hhmmss (Days since launch equal 1001)

Key: hh = hours
 mm = minutes
 s = tens of seconds